

Data File : VV010065.D
Acq On : 02 Apr 2019 17:50
Operator : SY/MD
Sample : VSTDCCC025
Misc : 5.00G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD02576

Quant Time: Apr 03 06:03:07 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
Quant Title : VOC Analysis
QLast Update : Tue Apr 02 17:59:24 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	297601	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	274811	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	140508	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	102279	25.67	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	102.68%
7) Chloroethane-d5	1.58	69	123259	24.91	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	99.64%
10) 1,1-Dichloroethene-d2	2.13	63	255558	25.43	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	101.72%
20) 2-Butanone-d5	4.14	46	225	0.20	ug/L	0.21
Spiked Amount	50.000	Range	20 - 135	Recovery	=	0.40%#
24) Chloroform-d	4.40	84	185739	24.77	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	99.08%
26) 1,2-Dichloroethane-d4	5.08	65	102682	24.48	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	97.92%
29) Benzene-d6	5.10	84	382009	26.81	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	107.24%
33) 1,2-Dichloropropane-d6	6.12	67	108181	25.72	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	102.88%
37) Toluene-d8	7.36	98	376555	27.42	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	109.68%
38) trans-1,3-Dichloropropene-	7.66	79	44535	24.77	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	99.08%
39) 2-Hexanone-d5	8.14	63	37008	43.87	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	87.74%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	100855	24.31	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	97.24%
61) 1,2-Dichlorobenzene-d4	11.67	152	142383	26.01	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	104.04%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	113338	26.331	ug/L 100
3) Chloromethane	1.25	50	97905	25.524	ug/L 100
5) Vinyl chloride	1.32	62	112129	26.838	ug/L 98
6) Bromomethane	1.53	94	123431	26.117	ug/L 99
8) Chloroethane	1.59	64	110331	30.209	ug/L 97
9) Trichlorofluoromethane	1.77	101	233537	27.118	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	131466	27.452	ug/L 99
12) 1,1-Dichloroethene	2.14	96	109475	26.907	ug/L 88
13) Acetone	2.20	43	53472	47.705	ug/L 98
14) Carbon disulfide	2.32	76	223845	26.510	ug/L 99
15) Methyl Acetate	2.46	43	42169	23.512	ug/L 99
16) Methylene chloride	2.54	84	100405	19.203	ug/L 97
17) Methyl tert-butyl Ether	2.81	73	217529	24.963	ug/L 99
18) trans-1,2-Dichloroethene	2.79	96	95750	26.942	ug/L 98
19) 1,1-Dichloroethane	3.23	63	165059	27.336	ug/L 98
21) 2-Butanone	4.03	43	57958	47.214	ug/L 98
22) cis-1,2-Dichloroethene	3.96	96	105313	26.688	ug/L 97

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Quant Title : VOC Analysis
QLast Update : Tue Apr 02 17:59:24 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	49343	25.771	ug/L	91
25) Chloroform	4.42	83	184607	27.282	ug/L	99
27) 1,2-Dichloroethane	5.18	62	121795	26.386	ug/L	96
30) Cyclohexane	4.72	56	142294	28.684	ug/L	99
31) 1,1,1-Trichloroethane	4.66	97	161591	28.832	ug/L	99
32) Carbon tetrachloride	4.88	117	149032	29.750	ug/L	98
34) Benzene	5.15	78	376765	28.035	ug/L	100
35) Trichloroethene	5.96	95	108755	28.116	ug/L	98
36) Methylcyclohexane	6.17	83	171301	29.561	ug/L	99
40) 1,2-Dichloropropane	6.22	63	93677	27.588	ug/L	100
41) Bromodichloromethane	6.56	83	122455	27.731	ug/L	96
42) cis-1,3-Dichloropropene	7.07	75	145706	29.644	ug/L	96
43) 4-Methyl-2-pentanone	7.27	43	121682	48.434	ug/L	97
44) Toluene	7.43	91	427125	28.319	ug/L	98
45) trans-1,3-Dichloropropene	7.69	75	118557	28.361	ug/L	99
46) 1,1,2-Trichloroethane	7.88	97	79074	26.263	ug/L	96
47) Tetrachloroethene	8.02	164	92289	28.504	ug/L	96
49) 2-Hexanone	8.19	43	85582	47.693	ug/L	98
50) Dibromochloromethane	8.29	129	92840	27.507	ug/L	94
51) 1,2-Dibromoethane	8.40	107	78843	26.497	ug/L #	94
52) Chlorobenzene	8.93	112	287053	27.902	ug/L	97
53) Ethylbenzene	9.05	91	482843	29.194	ug/L	98
54) m,p-Xylene	9.18	106	191835	29.801	ug/L	93
55) o-xylene	9.59	106	179755	28.823	ug/L	95
56) Styrene	9.60	104	303353	29.405	ug/L	99
57) Isopropylbenzene	9.97	105	494171	30.046	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	97883	25.312	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	69271	24.981	ug/L	98
62) Bromoform	9.77	173	50822	25.717	ug/L	97
63) 1,3-Dichlorobenzene	11.23	146	233908	28.362	ug/L	99
64) 1,4-Dichlorobenzene	11.32	146	236251	27.500	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	217613	26.860	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	13026	23.712	ug/L #	84
67) 1,3,5-Trichlorobenzene	12.69	180	172566	28.177	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	136821	29.174	ug/L	99
69) Naphthalene	13.55	128	211883	27.155	ug/L	98
70) 1,2,3-Trichlorobenzene	13.79	180	123044	28.102	ug/L	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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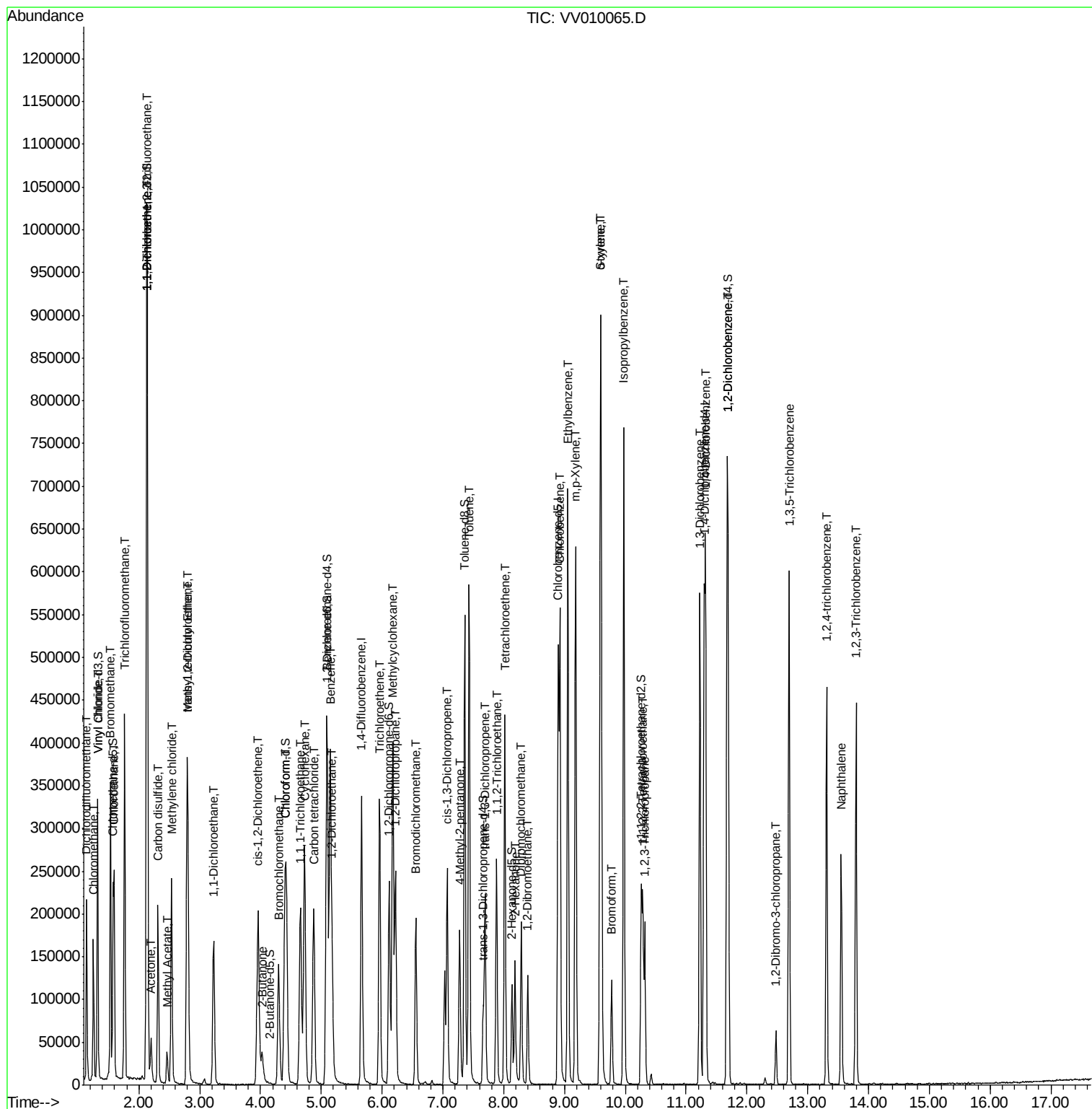
Quant Time: Apr 03 06:03:07 2019

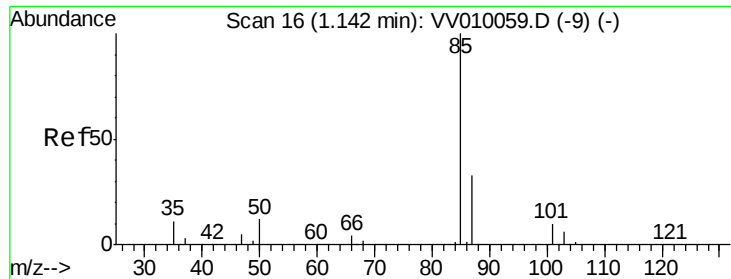
Quant Method : Z:\VOASRV\HPCHEM1\MSV0A_V\METHOD\S0M2VLM040219S.M

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Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 26.331 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV010065.D

Acq: 02 Apr 2019 17:50

Instrument :

MSVOA_V

ClientSampleId :

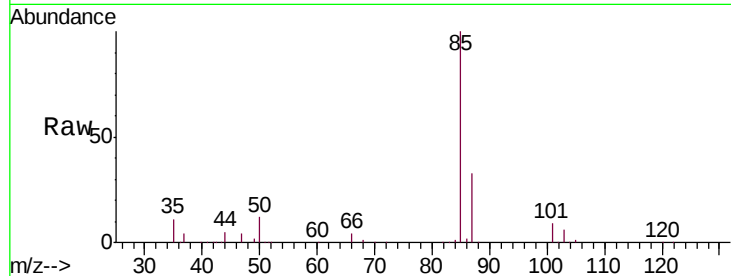
VSTD02576

Tgt Ion: 85 Resp: 113338

Ion Ratio Lower Upper

85 100

87 31.9 22.5 41.9



Abundance Ion 85.00 (84.70 to 85.70): VV010059.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VV010059.D (-9) (-)

1.14

120000

100000

80000

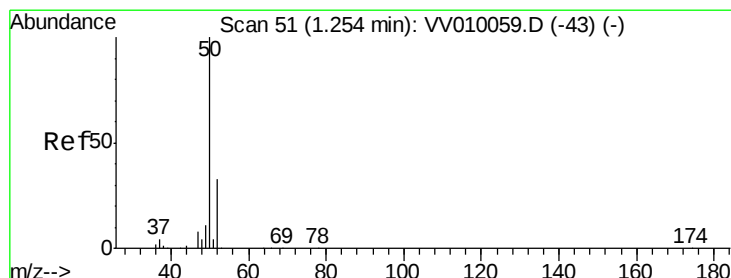
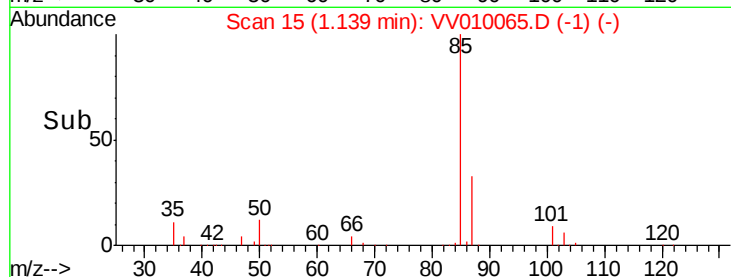
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 25.524 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV010065.D

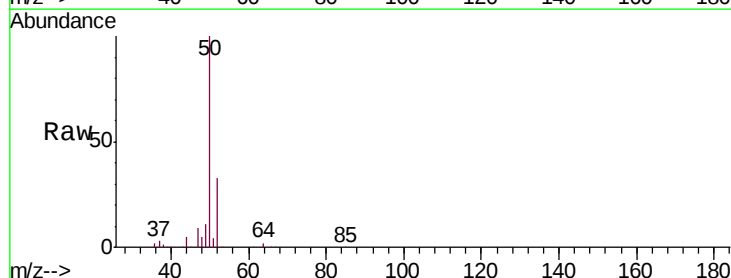
Acq: 02 Apr 2019 17:50

Tgt Ion: 50 Resp: 97905

Ion Ratio Lower Upper

50 100

52 33.5 23.4 43.4



Abundance Ion 50.00 (49.70 to 50.70): VV010059.D (-43) (-)

Ion 52.00 (51.70 to 52.70): VV010059.D (-43) (-)

1.25

100000

80000

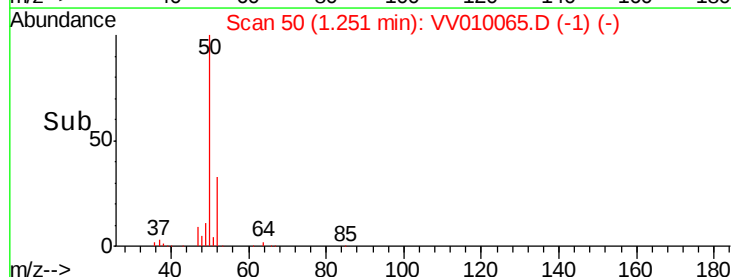
60000

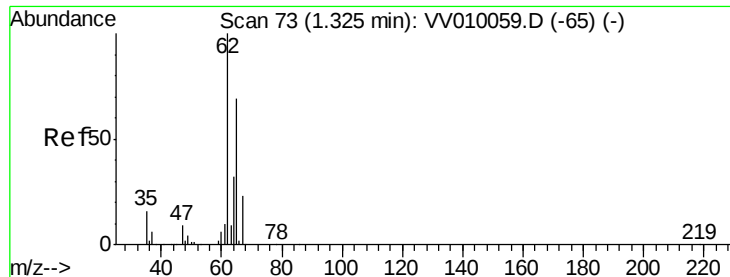
40000

20000

0

Time-->





#5

Vinyl chloride

Concen: 26.838 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV010065.D

Acq: 02 Apr 2019 17:50

Instrument :

MSVOA_V

ClientSampleId :

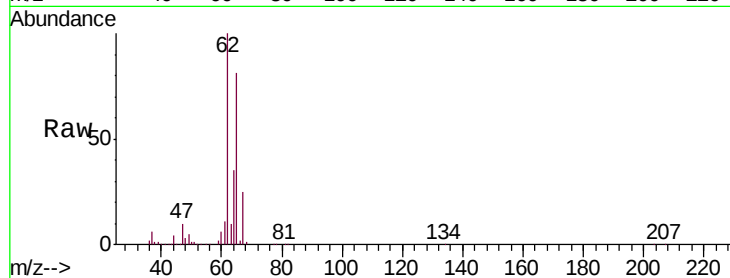
VSTD02576

Tgt Ion: 62 Resp: 112129

Ion Ratio Lower Upper

62 100

64 34.7 23.4 43.4



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

120000

100000

80000

60000

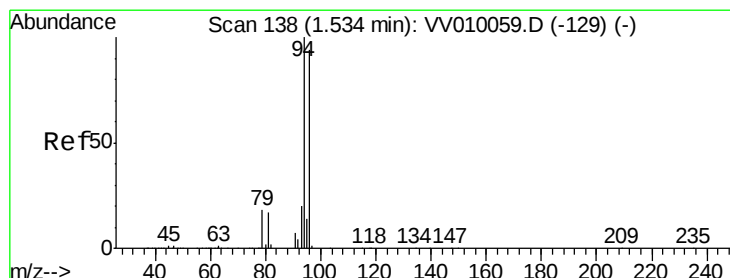
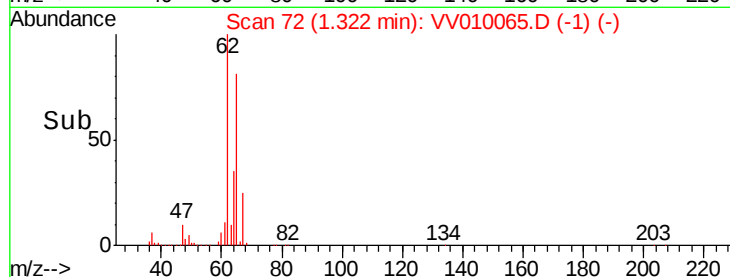
40000

20000

0

1.30 1.32 1.34 1.36 1.38 1.40

Time-->



#6

Bromomethane

Concen: 26.117 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.00 min

Lab File: VV010065.D

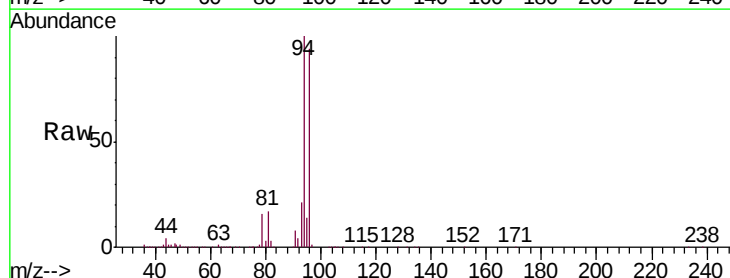
Acq: 02 Apr 2019 17:50

Tgt Ion: 94 Resp: 123431

Ion Ratio Lower Upper

94 100

96 92.9 9.4 177.8



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

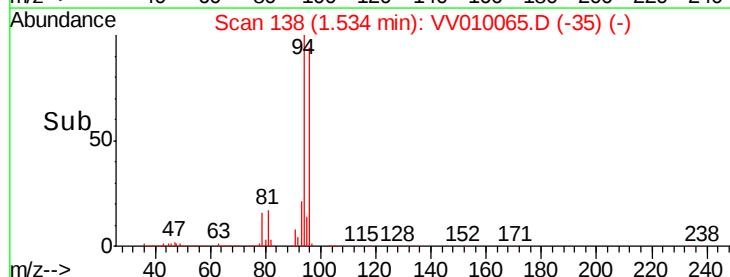
100000

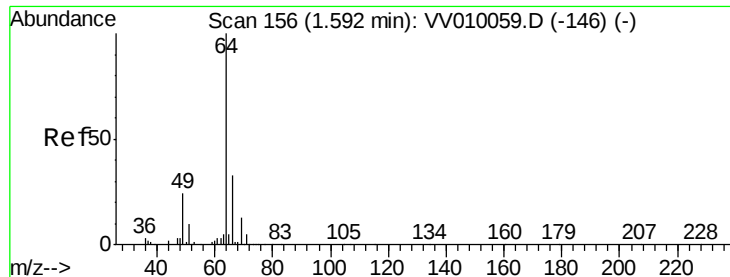
50000

0

1.50 1.52 1.54 1.56 1.58 1.60

Time-->





#8

Chloroethane

Concen: 30.209 ug/L

RT: 1.59 min Scan# 156

Delta R.T. -0.00 min

Lab File: VV010065.D

Acq: 02 Apr 2019 17:50

Instrument :

MSVOA_V

ClientSampleId :

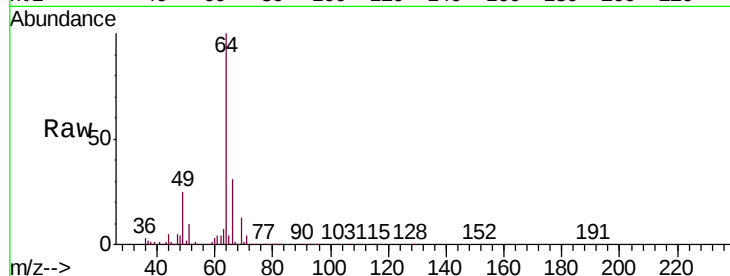
VSTD02576

Tgt Ion: 64 Resp: 110331

Ion Ratio Lower Upper

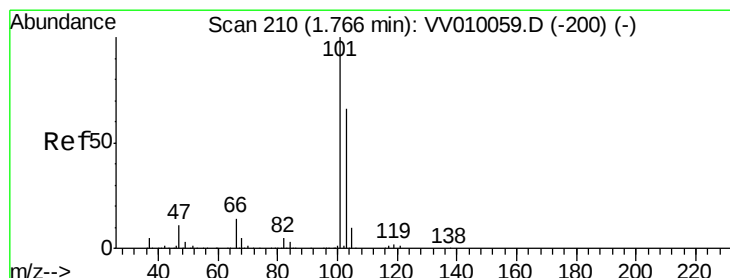
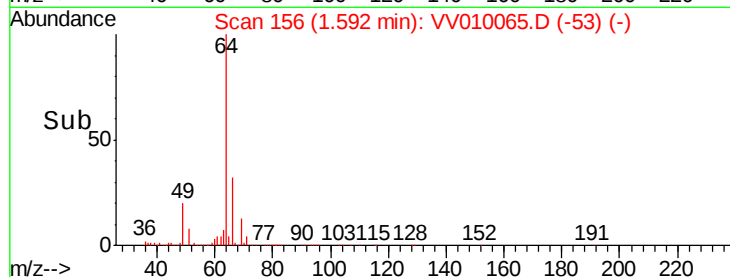
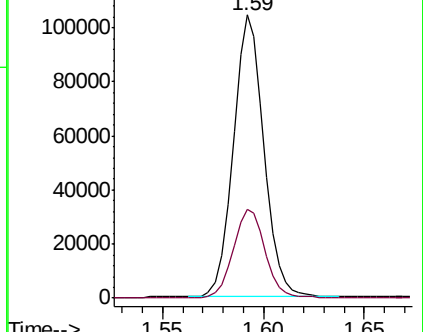
64 100

66 31.2 22.9 42.5



Abundance Ion 64.00 (63.70 to 64.70): VV010059.D (-146) (-)

Ion 66.00 (65.70 to 66.70): VV010059.D (-146) (-)



#9

Trichlorofluoromethane

Concen: 27.118 ug/L

RT: 1.77 min Scan# 210

Delta R.T. -0.00 min

Lab File: VV010065.D

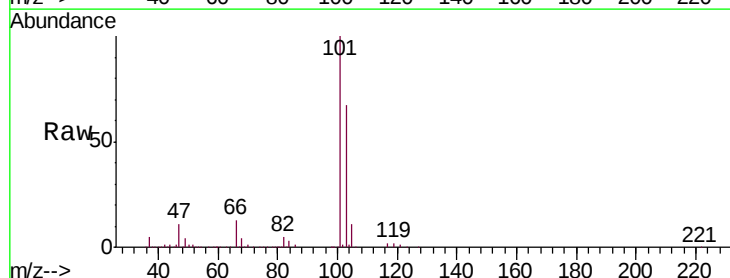
Acq: 02 Apr 2019 17:50

Tgt Ion: 101 Resp: 233537

Ion Ratio Lower Upper

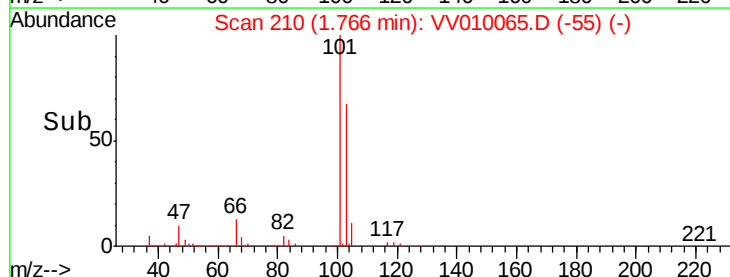
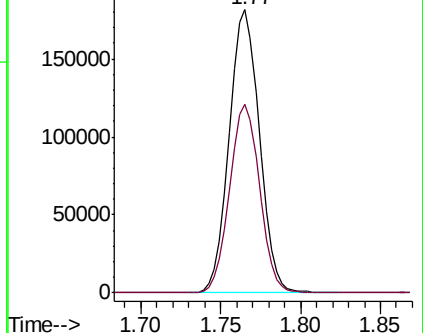
101 100

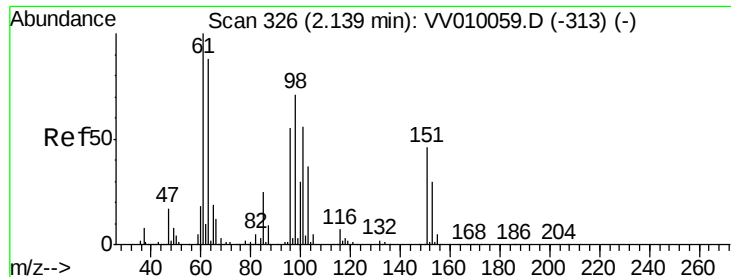
103 66.2 46.1 85.5



Abundance Ion 101.00 (100.70 to 101.70): VV010059.D (-200) (-)

Ion 103.00 (102.70 to 103.70): VV010059.D (-200) (-)





#11

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 27.452 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV010065.D

Acq: 02 Apr 2019 17:50

Instrument :

MSVOA_V

ClientSampleId :

VSTD02576

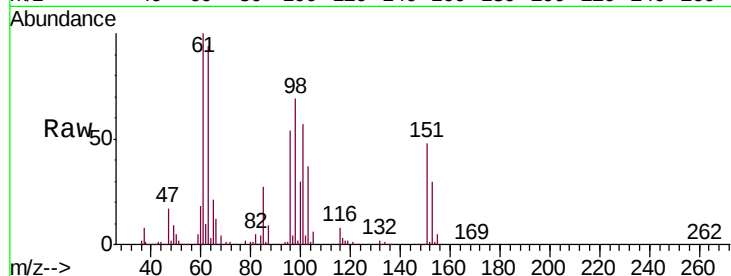
Tgt Ion:101 Resp: 131466

Ion Ratio Lower Upper

101 100

85 47.4 37.3 55.9

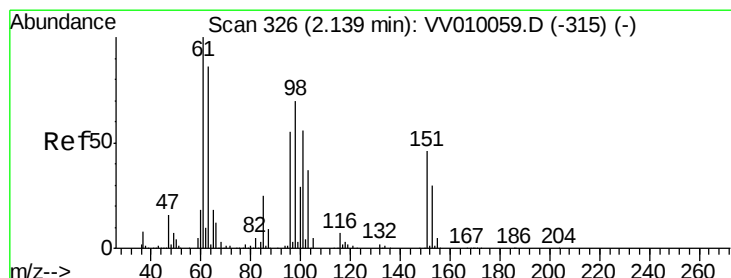
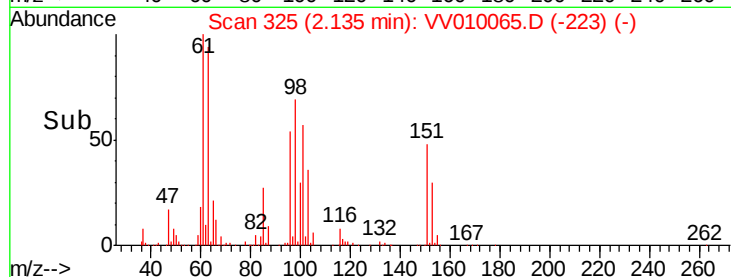
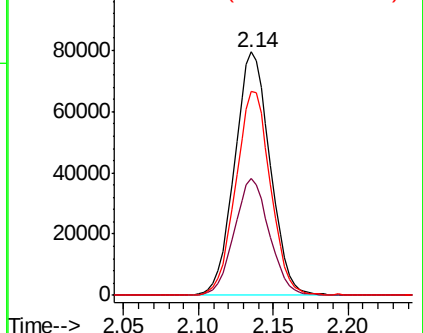
151 82.1 65.4 98.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 26.907 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV010065.D

Acq: 02 Apr 2019 17:50

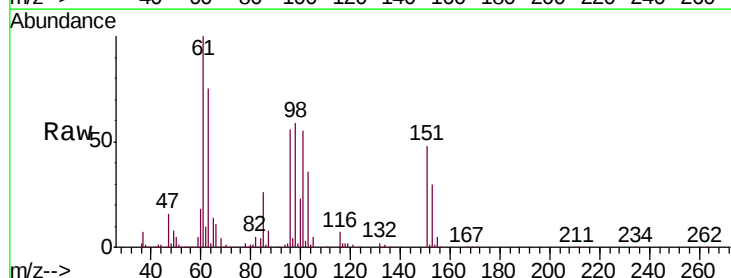
Tgt Ion: 96 Resp: 109475

Ion Ratio Lower Upper

96 100

61 178.1 127.8 237.4

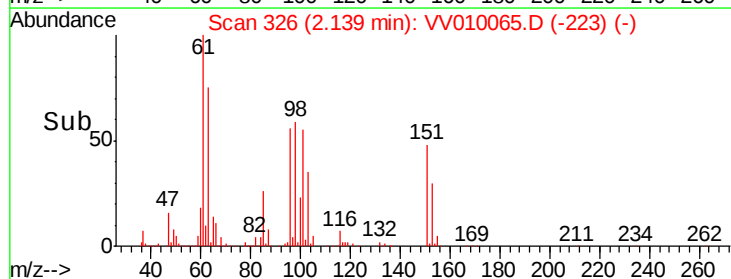
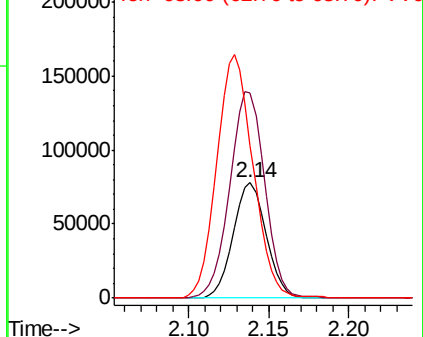
63 132.9 112.6 209.2

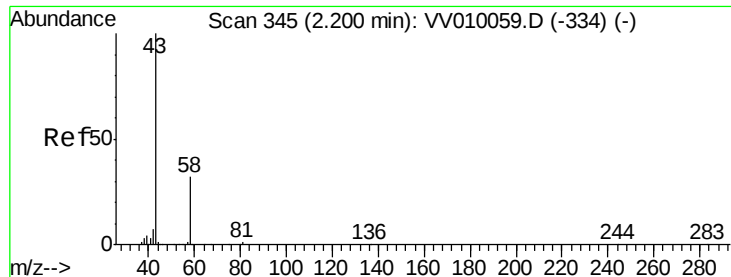


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 47.705 ug/L

RT: 2.20 min Scan# 345

Delta R.T. -0.00 min

Lab File: VV010065.D

Acq: 02 Apr 2019 17:50

Instrument :

MSVOA_V

ClientSampleId :

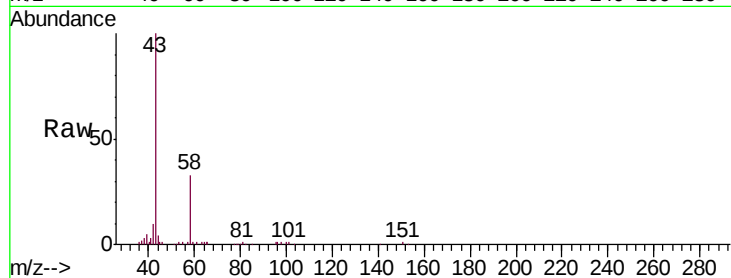
VSTD02576

Tgt Ion: 43 Resp: 53472

Ion Ratio Lower Upper

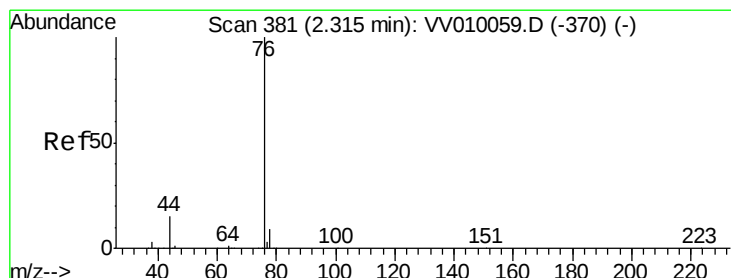
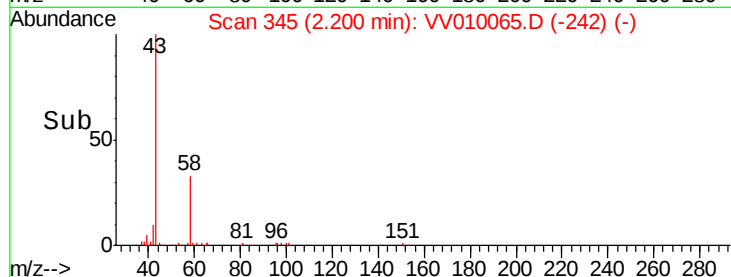
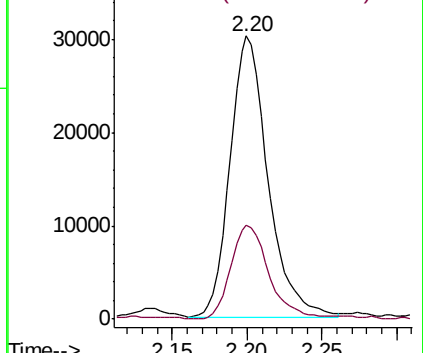
43 100

58 33.6 0.0 64.6



Abundance Ion 43.00 (42.70 to 43.70): VV010059.D (-334) (-)

Ion 58.00 (57.70 to 58.70): VV010059.D (-334) (-)



#14

Carbon disulfide

Concen: 26.510 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.00 min

Lab File: VV010065.D

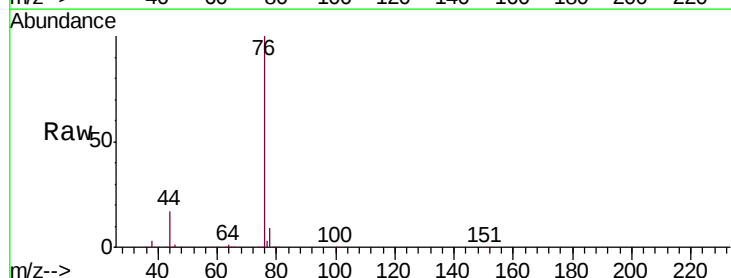
Acq: 02 Apr 2019 17:50

Tgt Ion: 76 Resp: 223845

Ion Ratio Lower Upper

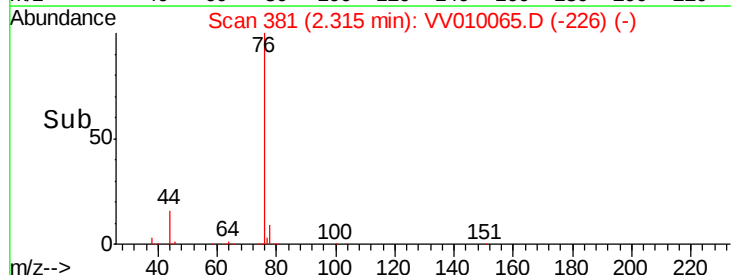
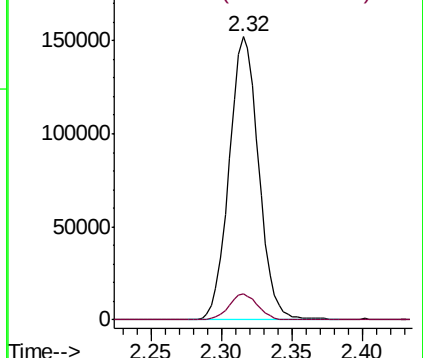
76 100

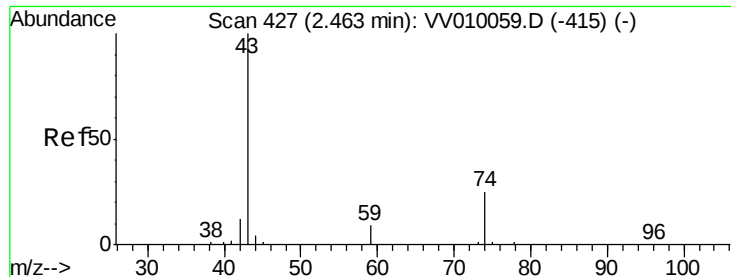
78 9.1 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VV010059.D (-370) (-)

Ion 78.00 (77.70 to 78.70): VV010059.D (-370) (-)

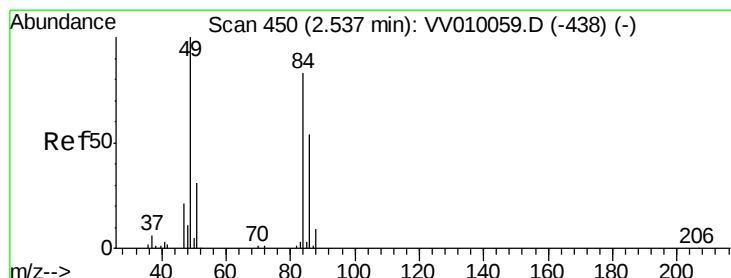
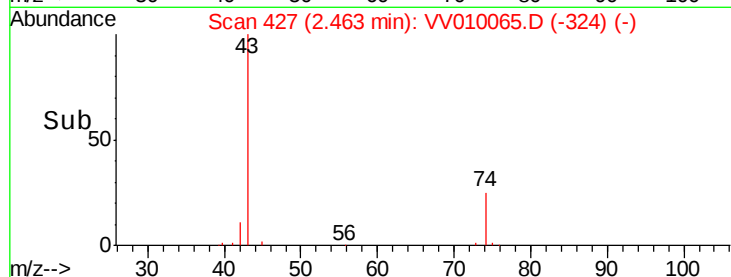
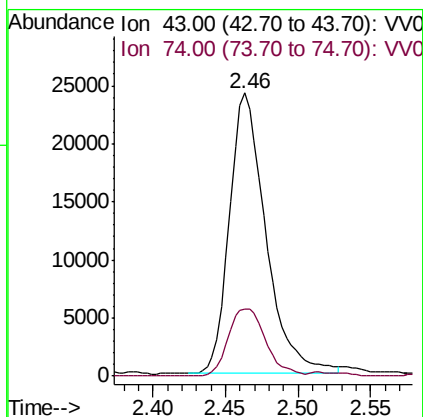
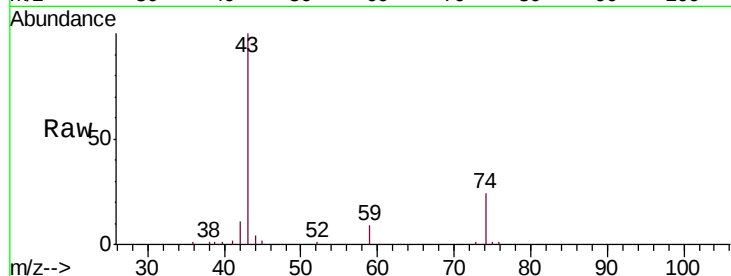




#15
Methyl Acetate
Concen: 23.512 ug/L
RT: 2.46 min Scan# 427
Delta R.T. -0.00 min
Lab File: VV010065.D
Acq: 02 Apr 2019 17:50

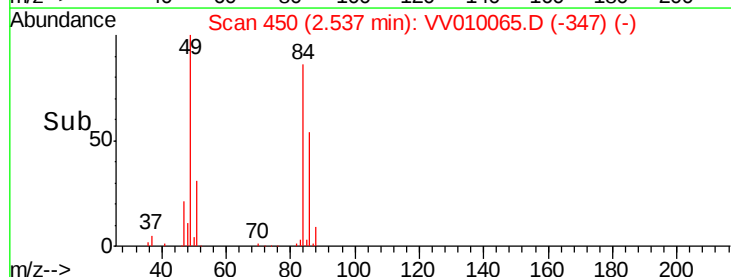
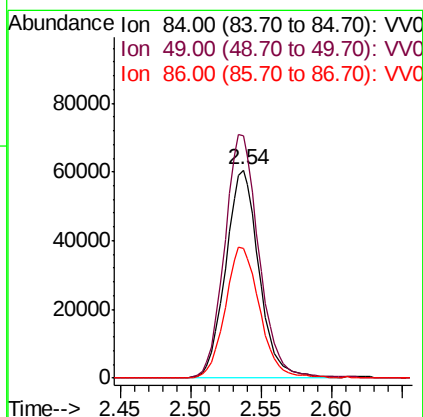
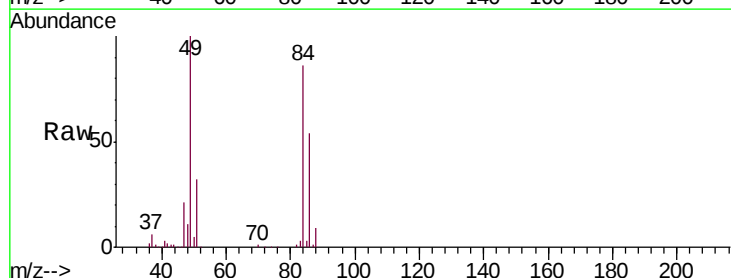
Instrument :
MSVOA_V
ClientSampled :
VSTD02576

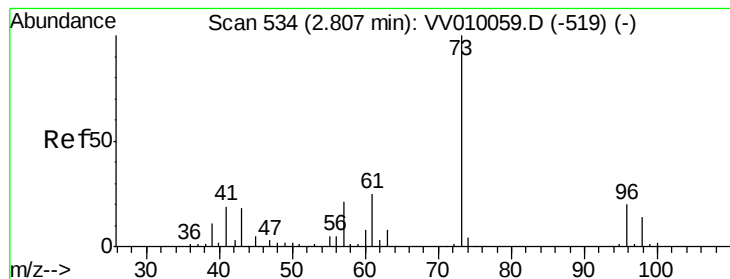
Tgt Ion: 43 Resp: 42169
Ion Ratio Lower Upper
43 100
74 24.7 20.0 30.0



#16
Methylene chloride
Concen: 19.203 ug/L
RT: 2.54 min Scan# 450
Delta R.T. -0.00 min
Lab File: VV010065.D
Acq: 02 Apr 2019 17:50

Tgt Ion: 84 Resp: 100405
Ion Ratio Lower Upper
84 100
49 116.3 84.3 156.5
86 62.4 45.4 84.2





#17

Methyl tert-butyl Ether

Concen: 24.963 ug/L

RT: 2.81 min Scan# 534

Delta R.T. -0.00 min

Lab File: VV010065.D

Acq: 02 Apr 2019 17:50

Instrument :

MSVOA_V

ClientSampleId :

VSTD02576

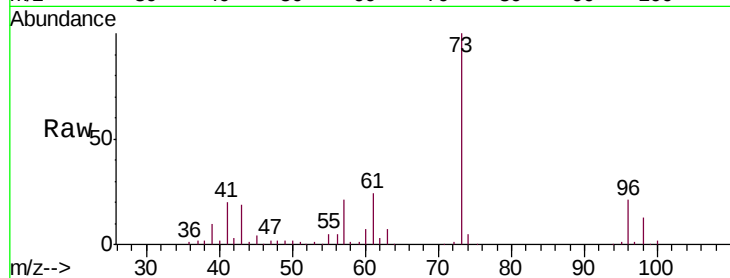
Tgt Ion: 73 Resp: 217529

Ion Ratio Lower Upper

73 100

43 18.8 15.5 23.3

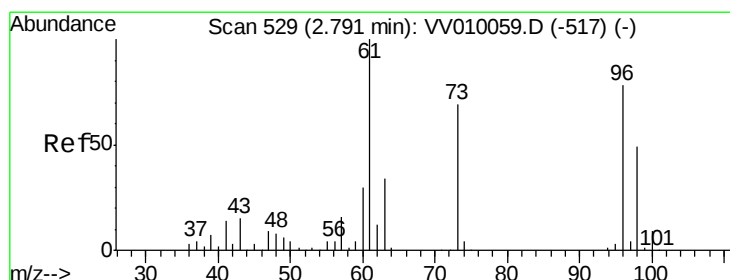
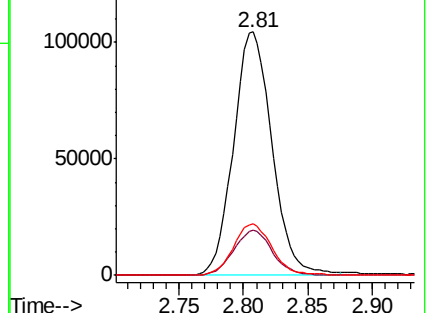
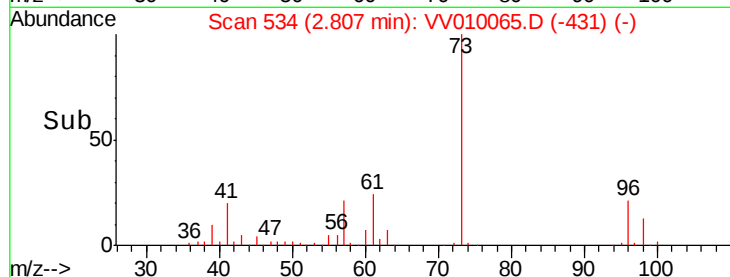
57 21.3 16.8 25.2



Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0



#18

trans-1,2-Dichloroethene

Concen: 26.942 ug/L

RT: 2.79 min Scan# 529

Delta R.T. -0.00 min

Lab File: VV010065.D

Acq: 02 Apr 2019 17:50

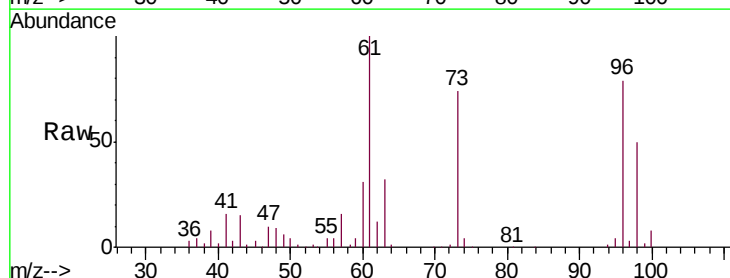
Tgt Ion: 96 Resp: 95750

Ion Ratio Lower Upper

96 100

61 126.0 90.0 167.2

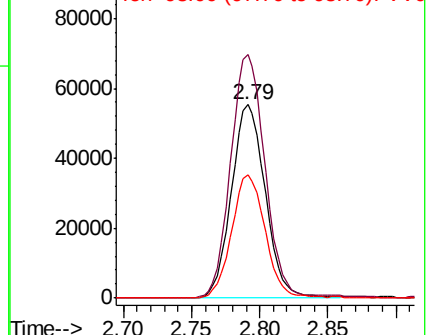
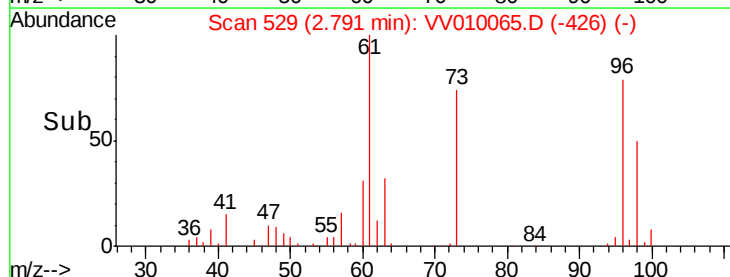
98 63.6 44.2 82.2

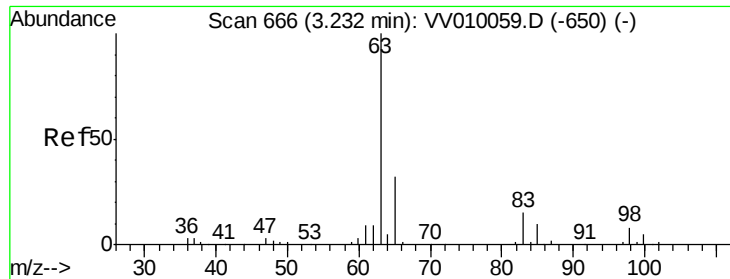


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

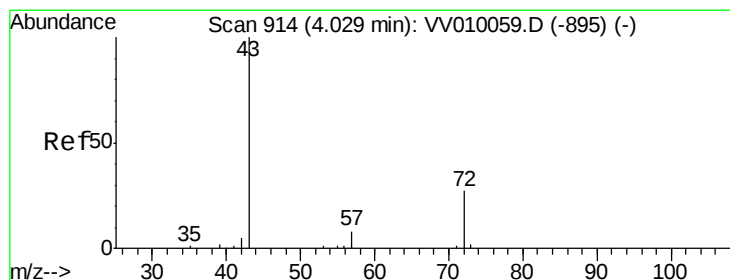
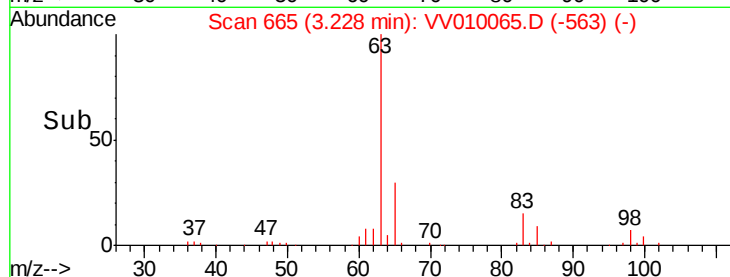
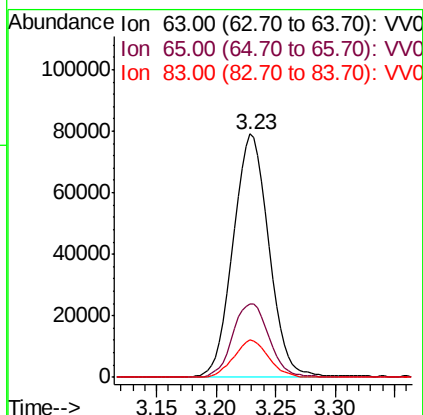
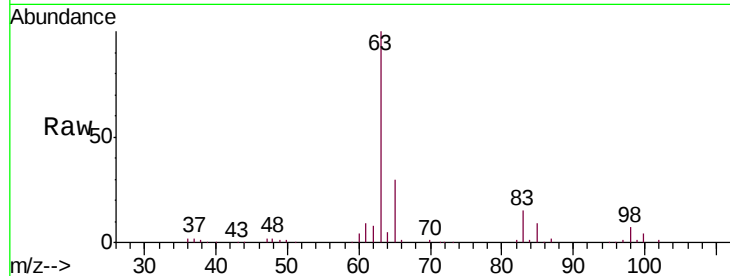




#19
 1,1-Dichloroethane
 Concen: 27.336 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. -0.00 min
 Lab File: VV010065.D
 Acq: 02 Apr 2019 17:50

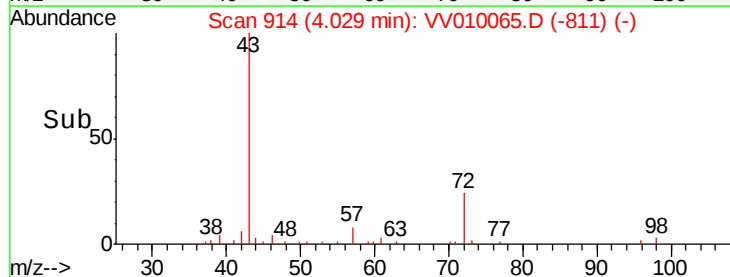
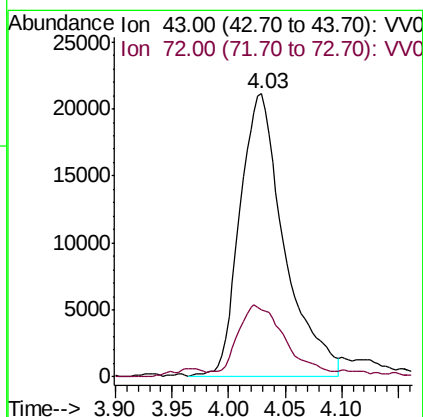
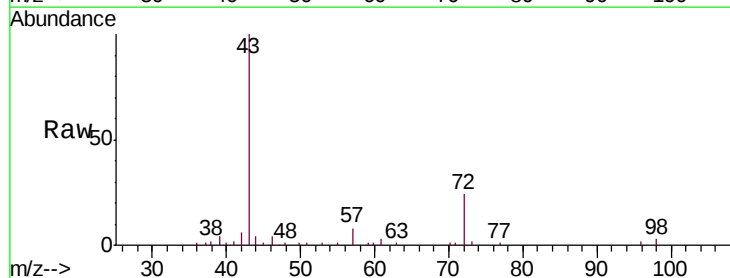
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02576

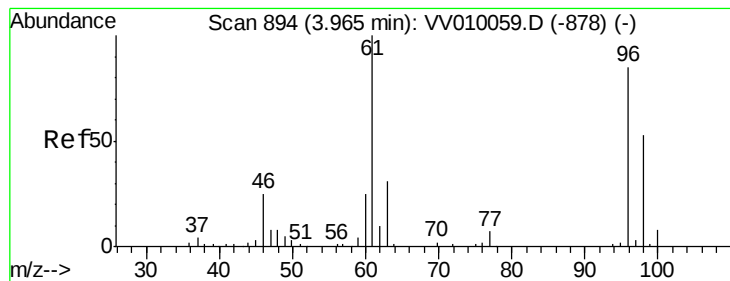
Tgt Ion: 63 Resp: 165059
 Ion Ratio Lower Upper
 63 100
 65 30.0 22.3 41.3
 83 15.3 10.4 19.4



#21
 2-Butanone
 Concen: 47.214 ug/L
 RT: 4.03 min Scan# 914
 Delta R.T. -0.00 min
 Lab File: VV010065.D
 Acq: 02 Apr 2019 17:50

Tgt Ion: 43 Resp: 57958
 Ion Ratio Lower Upper
 43 100
 72 24.4 12.8 38.4



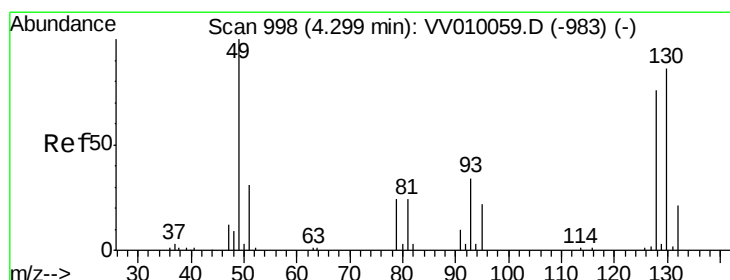
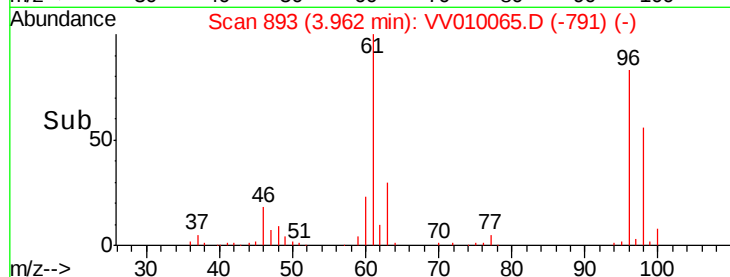
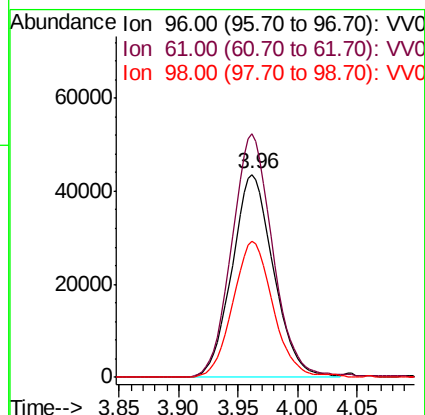
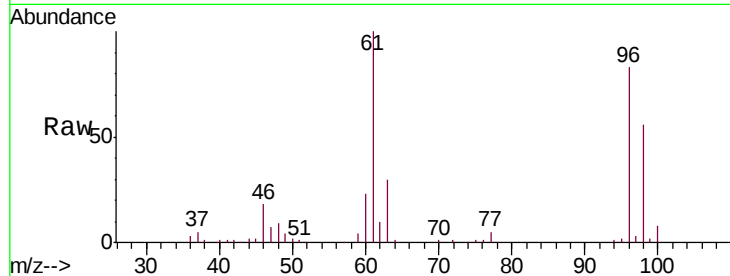


#22

cis-1,2-Dichloroethene
 Concen: 26.688 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. -0.00 min
 Lab File: VV010065.D
 Acq: 02 Apr 2019 17:50

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02576

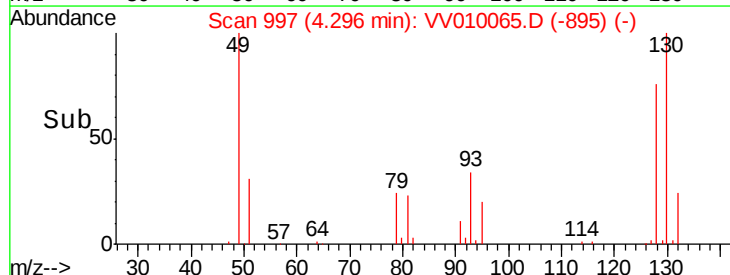
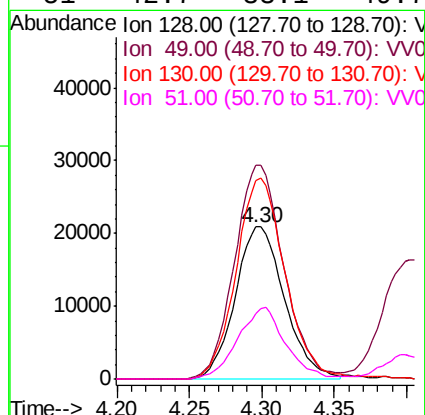
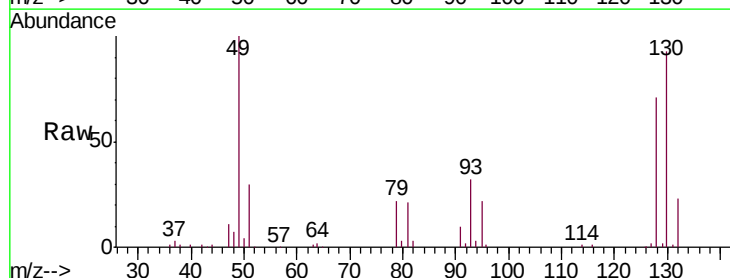
Tgt Ion: 96 Resp: 105313
 Ion Ratio Lower Upper
 96 100
 61 119.9 82.7 153.5
 98 67.2 43.9 81.5

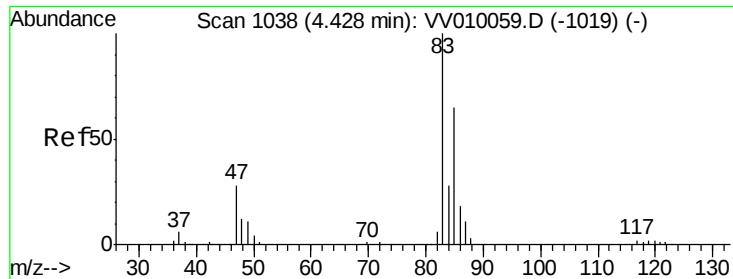


#23

Bromochloromethane
 Concen: 25.771 ug/L
 RT: 4.30 min Scan# 997
 Delta R.T. -0.00 min
 Lab File: VV010065.D
 Acq: 02 Apr 2019 17:50

Tgt Ion: 128 Resp: 49343
 Ion Ratio Lower Upper
 128 100
 49 140.6 92.8 172.4
 130 130.6 80.6 149.6
 51 42.7 33.1 49.7

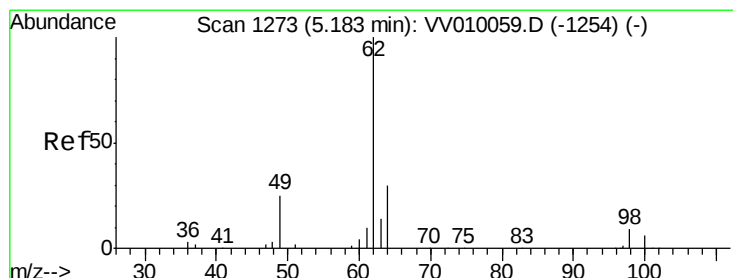
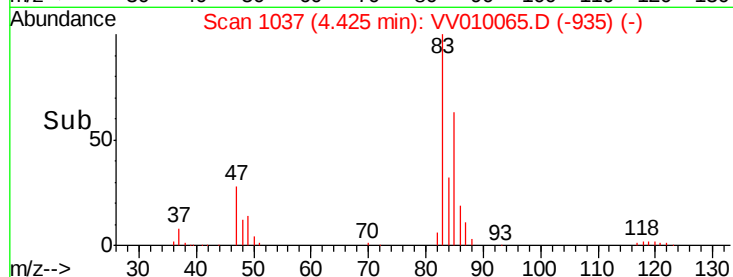
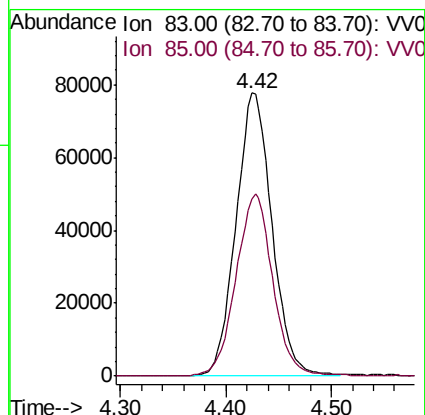
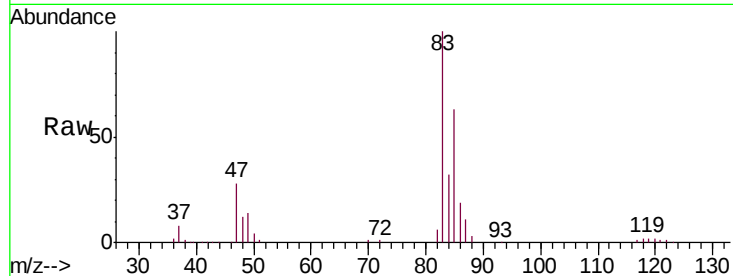




#25
Chloroform
Concen: 27.282 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. -0.00 min
Lab File: VV010065.D
Acq: 02 Apr 2019 17:50

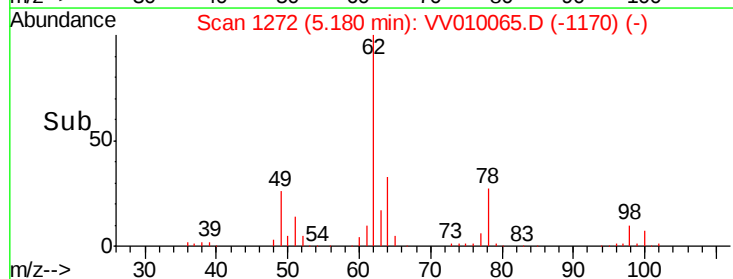
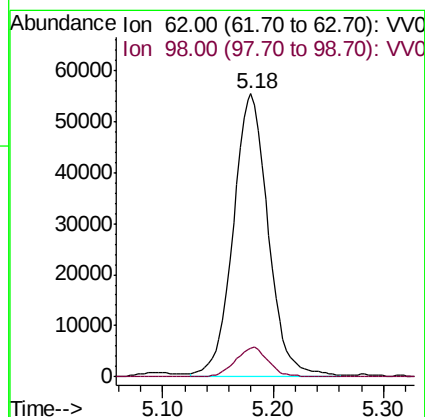
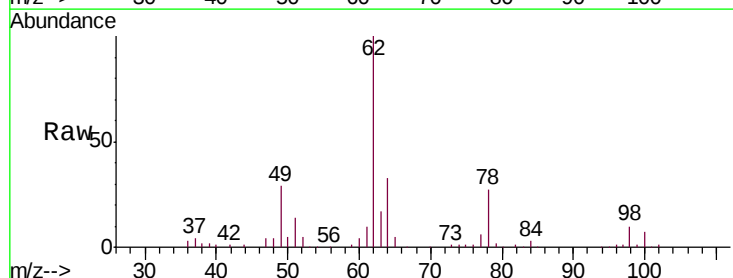
Instrument :
MSVOA_V
ClientSampleId :
VSTD02576

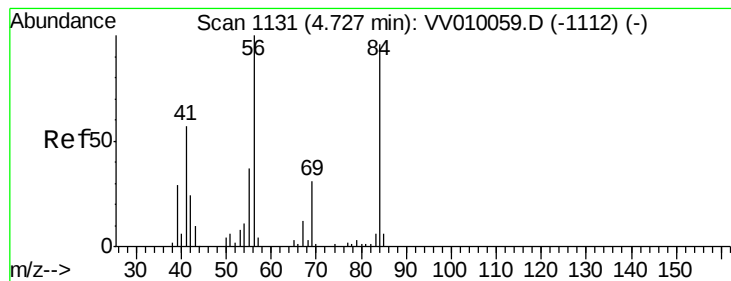
Tgt Ion: 83 Resp: 184607
Ion Ratio Lower Upper
83 100
85 65.5 46.4 86.2



#27
1,2-Dichloroethane
Concen: 26.386 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VV010065.D
Acq: 02 Apr 2019 17:50

Tgt Ion: 62 Resp: 121795
Ion Ratio Lower Upper
62 100
98 10.3 7.2 10.8





#30

Cyclohexane

Concen: 28.684 ug/L

RT: 4.72 min Scan# 1130

Delta R.T. -0.00 min

Lab File: VV010065.D

Acq: 02 Apr 2019 17:50

Instrument :

MSVOA_V

ClientSampleId :

VSTD02576

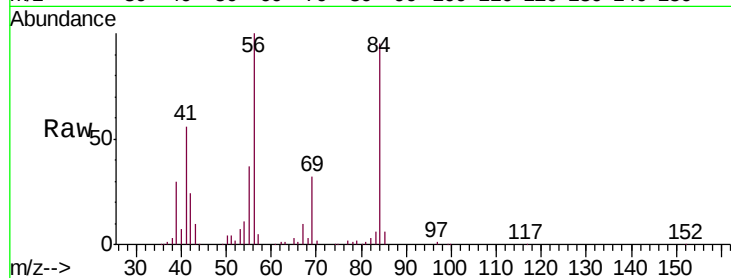
Tgt Ion: 56 Resp: 142294

Ion Ratio Lower Upper

56 100

69 31.7 25.1 37.7

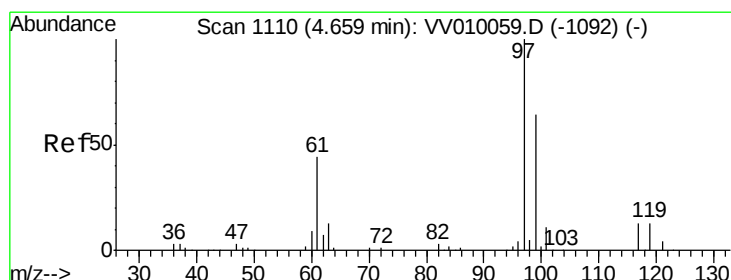
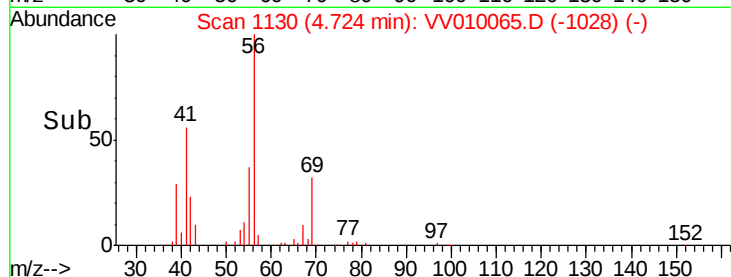
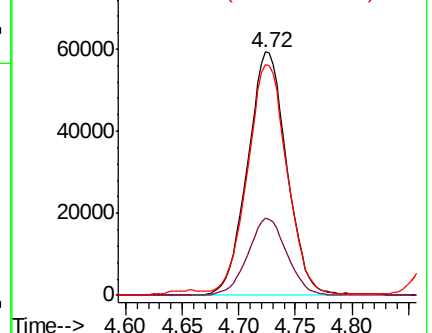
84 94.2 76.0 114.0



Abundance Ion 56.00 (55.70 to 56.70): VV010059.D (-1112) (-)

Ion 69.00 (68.70 to 69.70): VV010059.D (-1112) (-)

Ion 84.00 (83.70 to 84.70): VV010059.D (-1112) (-)



#31

1,1,1-Trichloroethane

Concen: 28.832 ug/L

RT: 4.66 min Scan# 1109

Delta R.T. -0.00 min

Lab File: VV010065.D

Acq: 02 Apr 2019 17:50

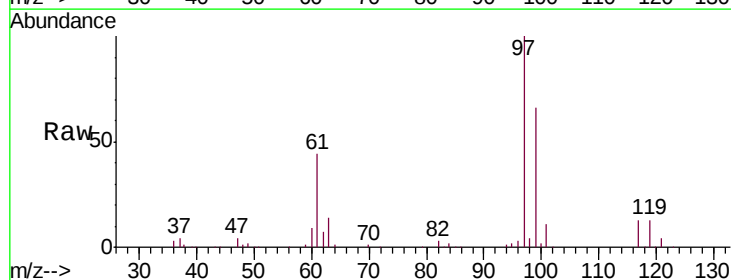
Tgt Ion: 97 Resp: 161591

Ion Ratio Lower Upper

97 100

99 64.9 52.4 78.6

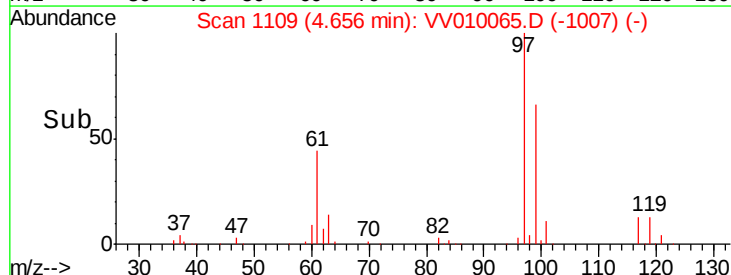
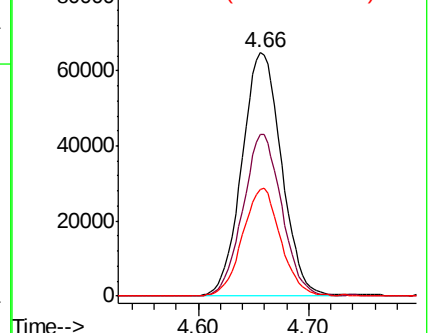
61 42.7 34.1 51.1

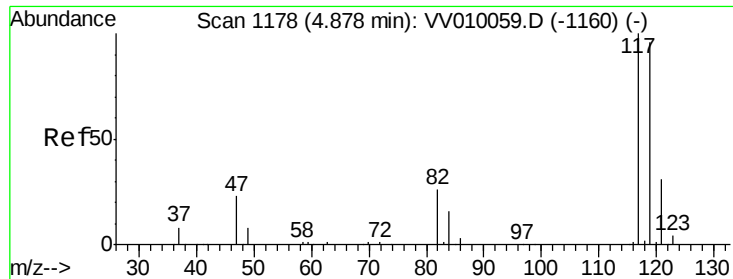


Abundance Ion 97.00 (96.70 to 97.70): VV010059.D (-1092) (-)

Ion 99.00 (98.70 to 99.70): VV010059.D (-1092) (-)

Ion 61.00 (60.70 to 61.70): VV010059.D (-1092) (-)





#32

Carbon tetrachloride

Concen: 29.750 ug/L

RT: 4.88 min Scan# 1178

Delta R.T. -0.00 min

Lab File: VV010065.D

Acq: 02 Apr 2019 17:50

Instrument :

MSVOA_V

ClientSampleId :

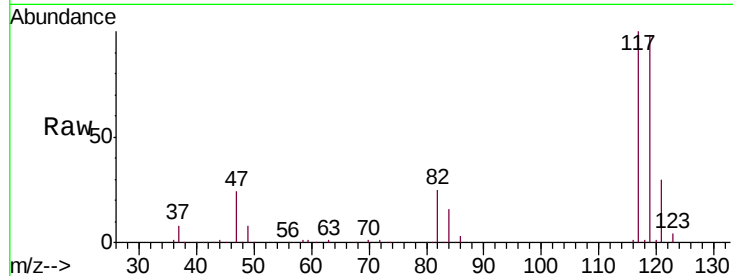
VSTD02576

Tgt Ion:117 Resp: 149032

Ion Ratio Lower Upper

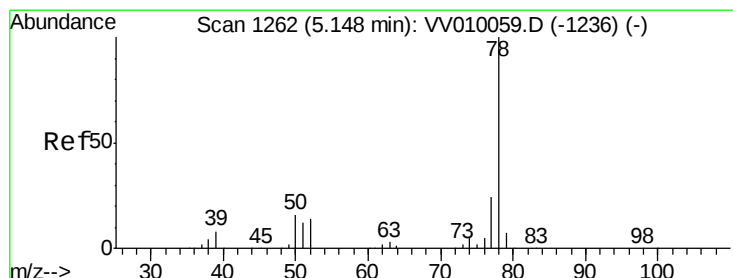
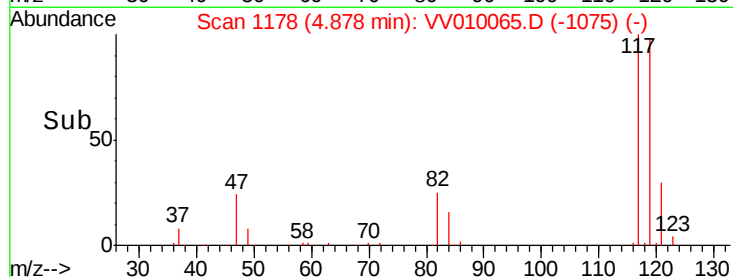
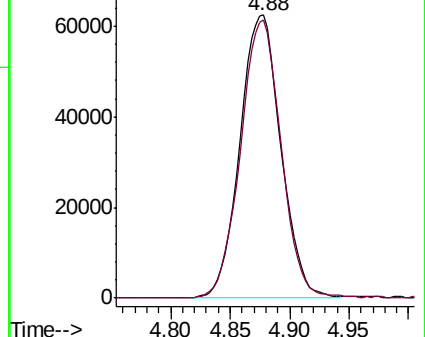
117 100

119 96.9 76.1 114.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 28.035 ug/L

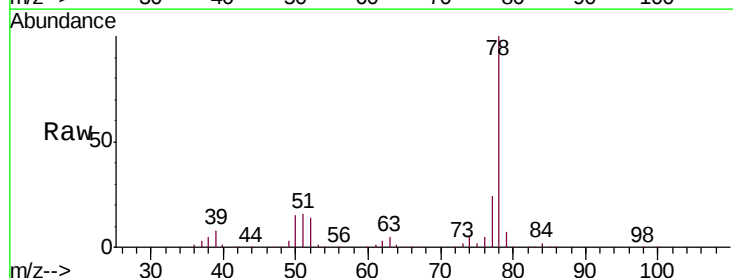
RT: 5.15 min Scan# 1262

Delta R.T. -0.00 min

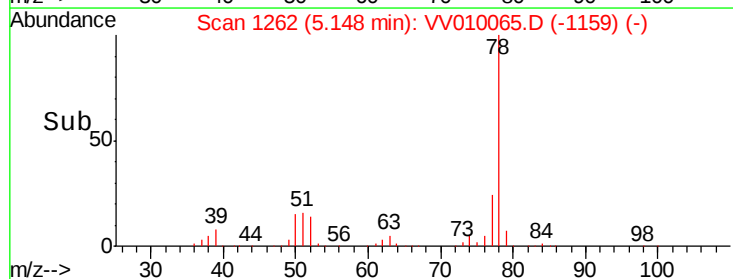
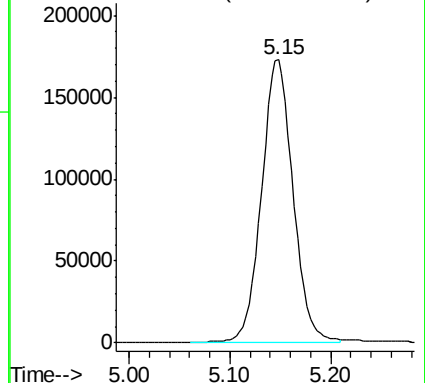
Lab File: VV010065.D

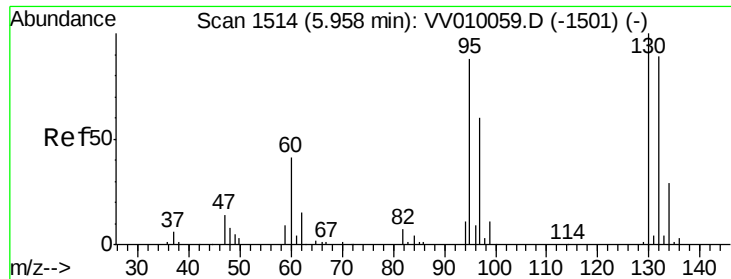
Acq: 02 Apr 2019 17:50

Tgt Ion: 78 Resp: 376765



Abundance Ion 78.00 (77.70 to 78.70): VV0

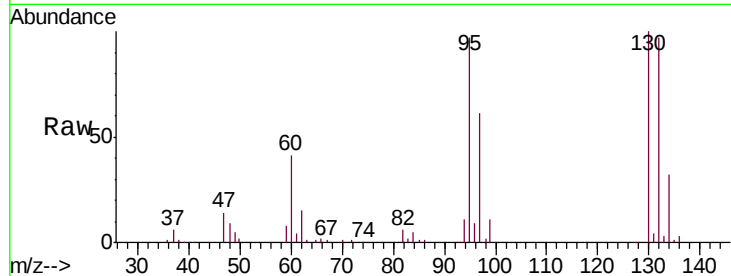




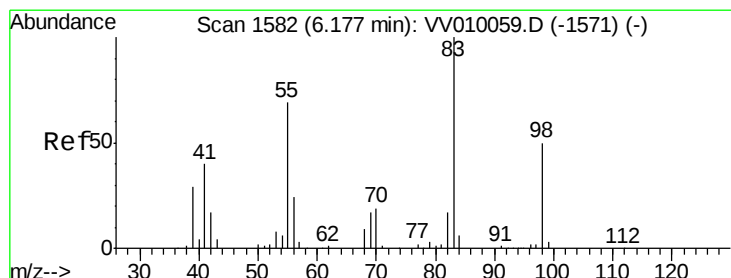
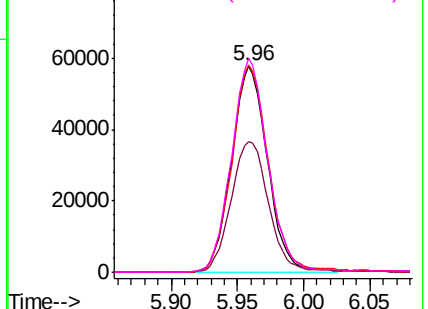
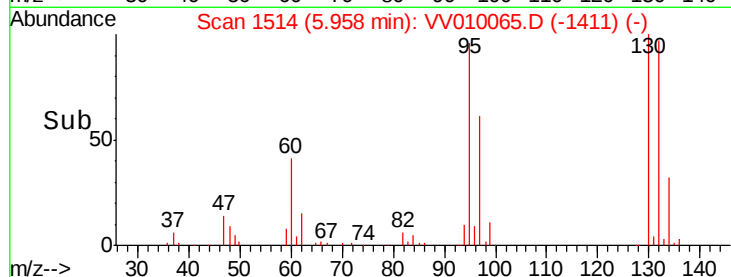
#35
 Trichloroethene
 Concen: 28.116 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. -0.00 min
 Lab File: VV010065.D
 Acq: 02 Apr 2019 17:50

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02576

Tgt Ion: 95 Resp: 108755
 Ion Ratio Lower Upper
 95 100
 97 65.7 45.8 85.2
 132 101.9 70.6 131.0
 130 104.9 76.1 141.3

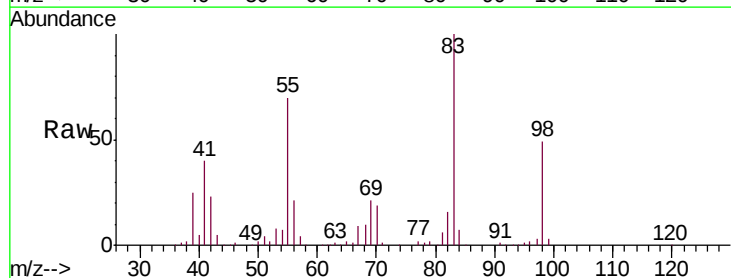


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

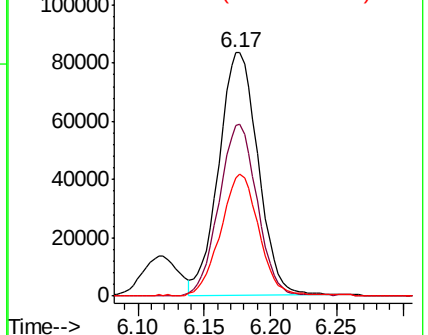
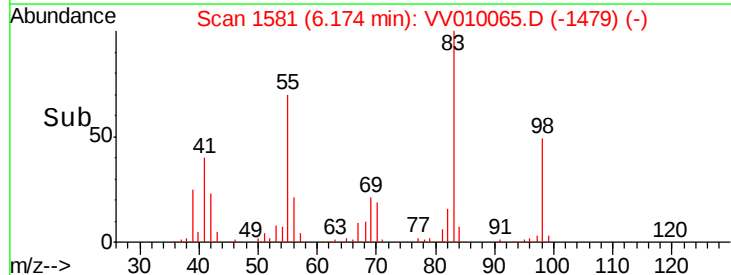


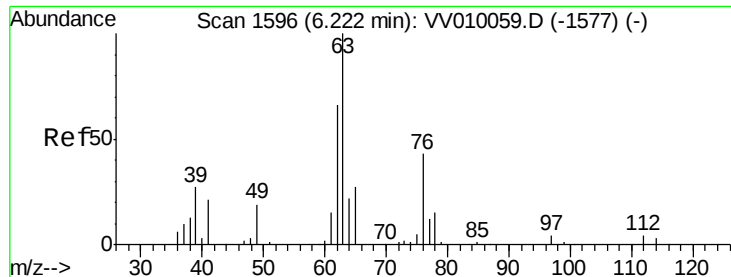
#36
 Methylcyclohexane
 Concen: 29.561 ug/L
 RT: 6.17 min Scan# 1581
 Delta R.T. -0.00 min
 Lab File: VV010065.D
 Acq: 02 Apr 2019 17:50

Tgt Ion: 83 Resp: 171301
 Ion Ratio Lower Upper
 83 100
 55 68.6 56.3 84.5
 98 48.6 39.0 58.6



Abundance Ion 83.00 (82.70 to 83.70): VV0
 Ion 55.00 (54.70 to 55.70): VV0
 Ion 98.00 (97.70 to 98.70): VV0

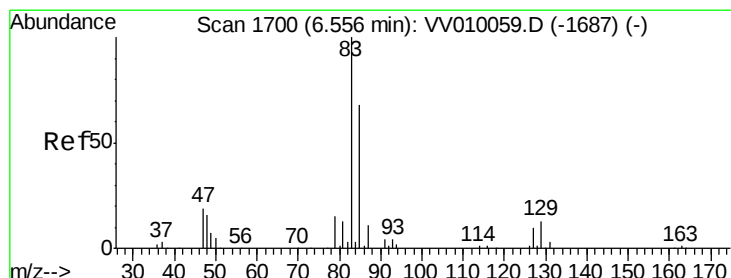
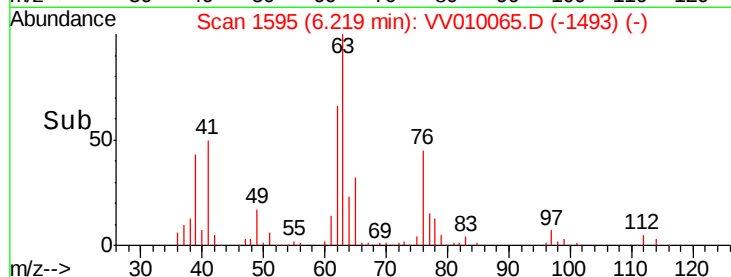
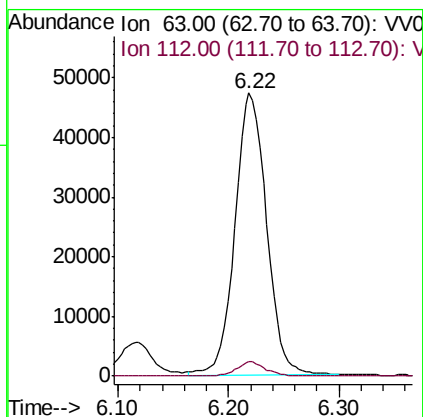
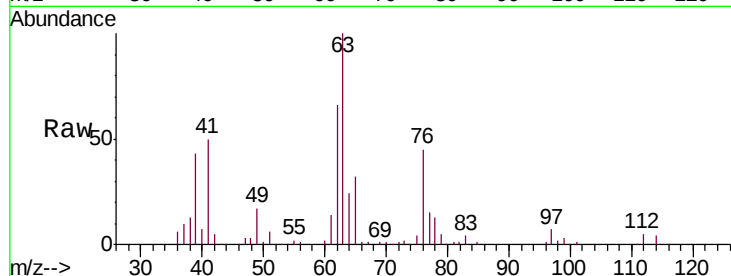




#40
 1,2-Dichloropropane
 Concen: 27.588 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. -0.00 min
 Lab File: VV010065.D
 Acq: 02 Apr 2019 17:50

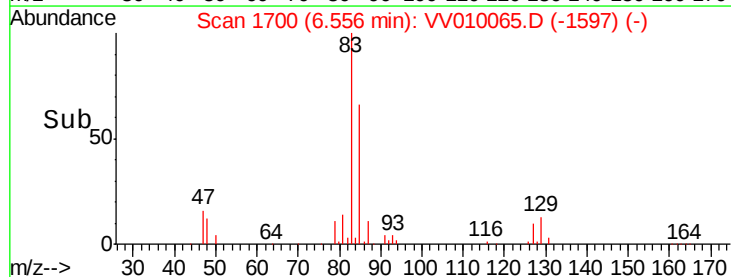
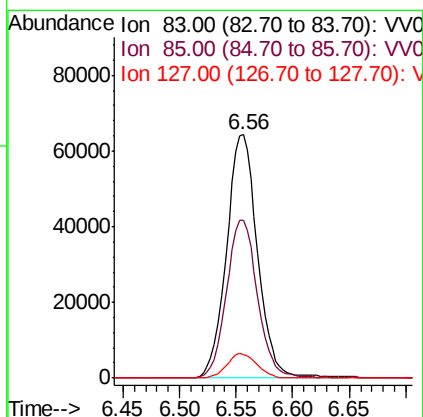
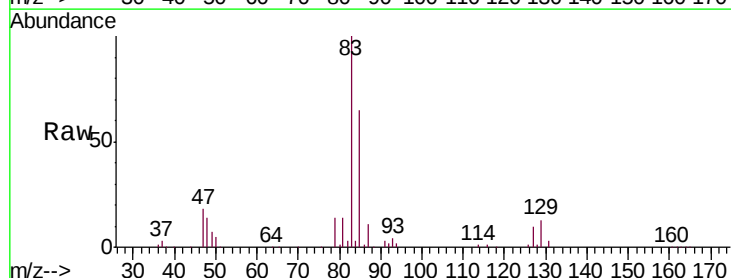
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02576

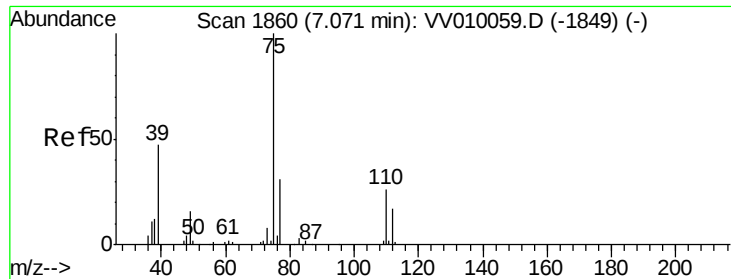
Tgt Ion: 63 Resp: 93677
 Ion Ratio Lower Upper
 63 100
 112 4.5 3.6 5.4



#41
 Bromodichloromethane
 Concen: 27.731 ug/L
 RT: 6.56 min Scan# 1700
 Delta R.T. -0.00 min
 Lab File: VV010065.D
 Acq: 02 Apr 2019 17:50

Tgt Ion: 83 Resp: 122455
 Ion Ratio Lower Upper
 83 100
 85 64.7 47.5 88.3
 127 9.8 7.7 11.5



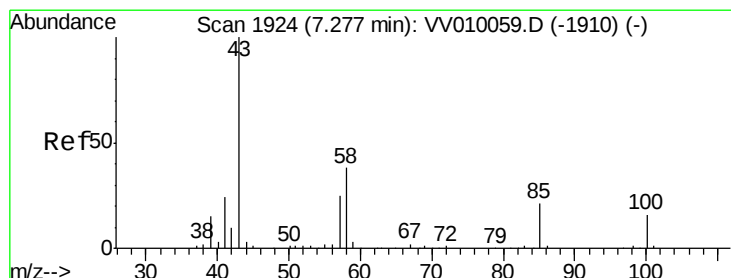
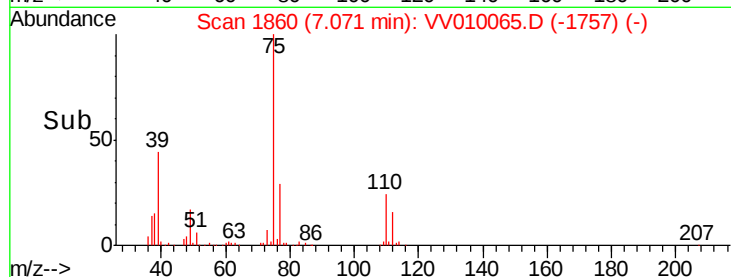
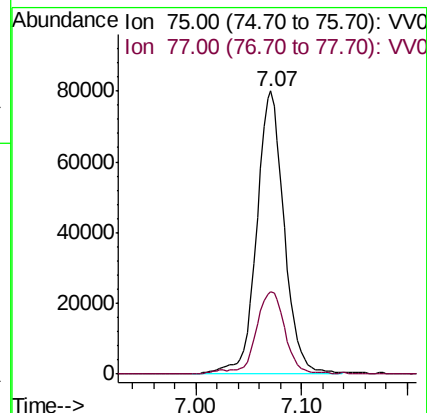
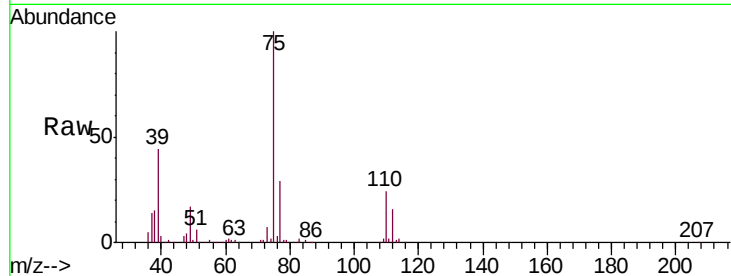


#42

cis-1,3-Dichloropropene
 Concen: 29.644 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. -0.00 min
 Lab File: VV010065.D
 Acq: 02 Apr 2019 17:50

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02576

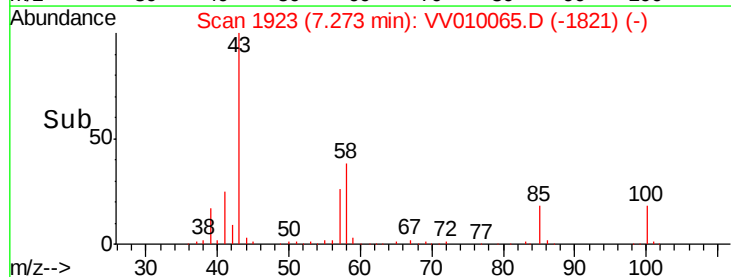
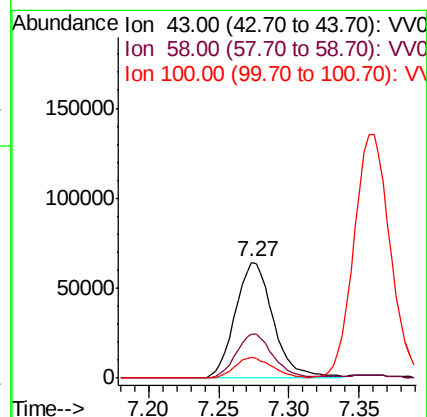
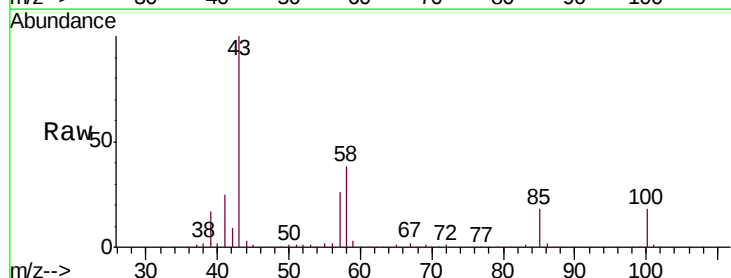
Tgt Ion: 75 Resp: 145706
 Ion Ratio Lower Upper
 75 100
 77 29.2 22.1 41.1

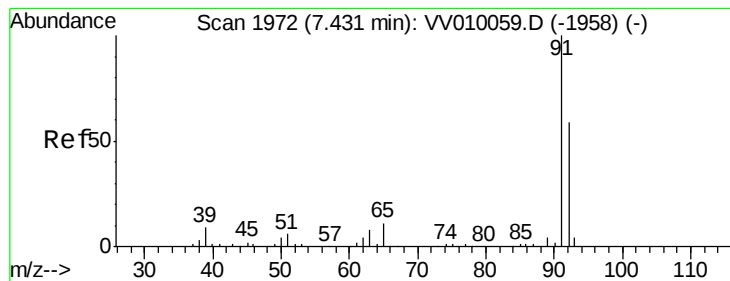


#43

4-Methyl-2-pentanone
 Concen: 48.434 ug/L
 RT: 7.27 min Scan# 1923
 Delta R.T. -0.00 min
 Lab File: VV010065.D
 Acq: 02 Apr 2019 17:50

Tgt Ion: 43 Resp: 121682
 Ion Ratio Lower Upper
 43 100
 58 37.0 31.5 47.3
 100 17.4 13.4 20.0





#44

Toluene

Concen: 28.319 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VV010065.D

Acq: 02 Apr 2019 17:50

Instrument :

MSVOA_V

ClientSampleId :

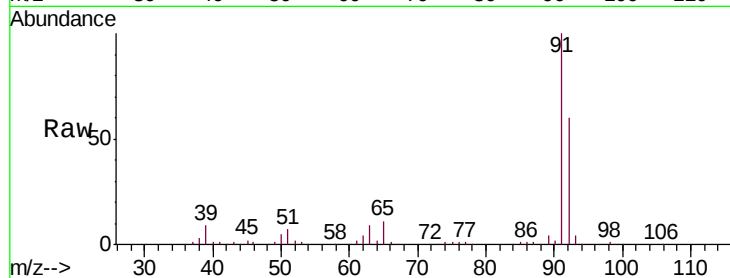
VSTD02576

Tgt Ion: 91 Resp: 427125

Ion Ratio Lower Upper

91 100

92 60.1 41.0 76.2



Abundance Ion 91.00 (90.70 to 91.70): VV010059.D (-1958) (-)

Ion 92.00 (91.70 to 92.70): VV010059.D (-1958) (-)

7.43

250000

200000

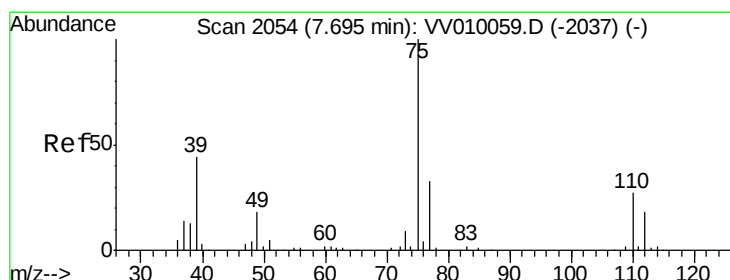
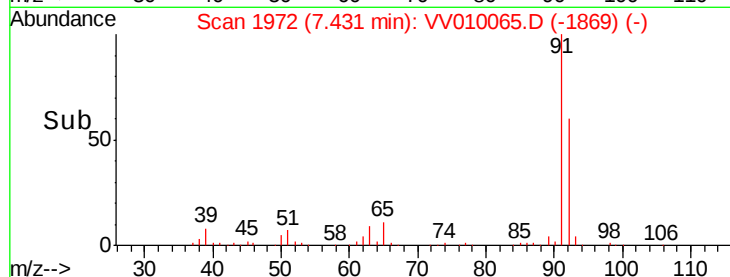
150000

100000

50000

0

Time-->



#45

trans-1,3-Dichloropropene

Concen: 28.361 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. -0.00 min

Lab File: VV010065.D

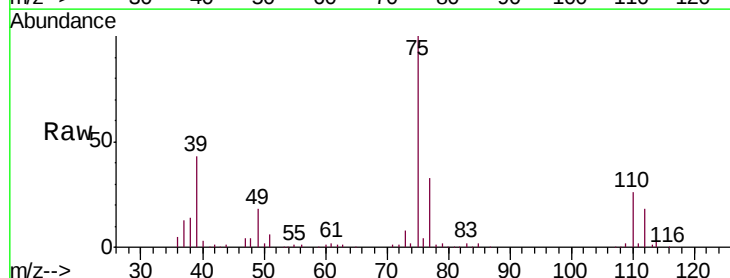
Acq: 02 Apr 2019 17:50

Tgt Ion: 75 Resp: 118557

Ion Ratio Lower Upper

75 100

77 33.2 23.5 43.7



Abundance Ion 75.00 (74.70 to 75.70): VV010059.D (-2037) (-)

Ion 77.00 (76.70 to 77.70): VV010059.D (-2037) (-)

7.69

80000

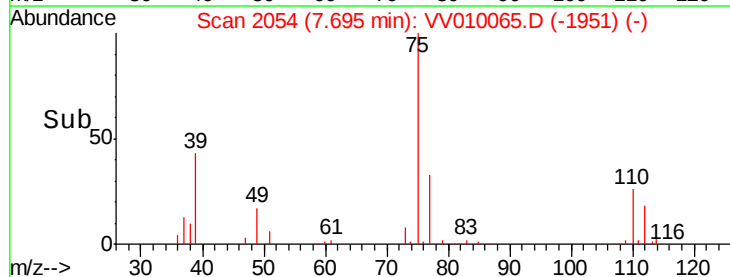
60000

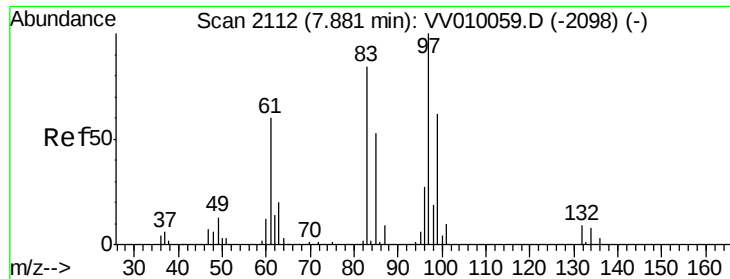
40000

20000

0

Time-->

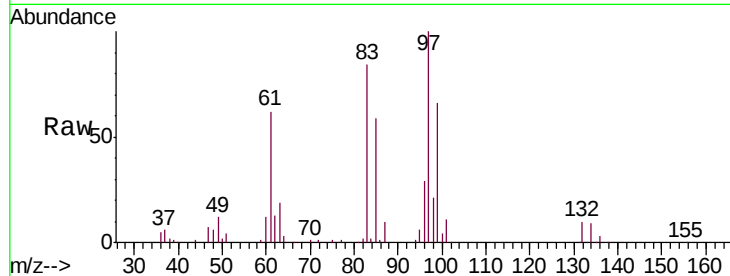




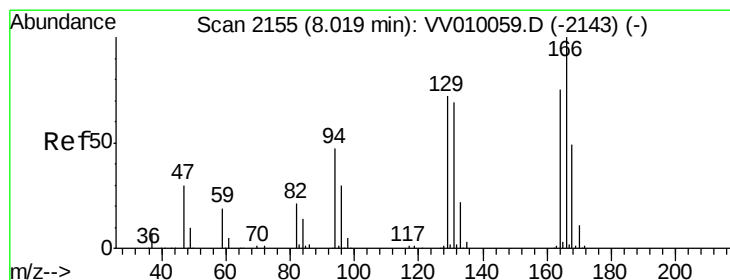
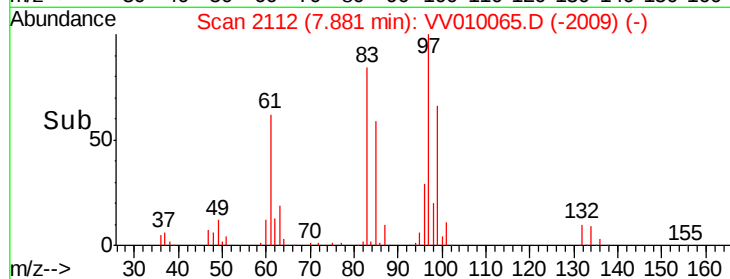
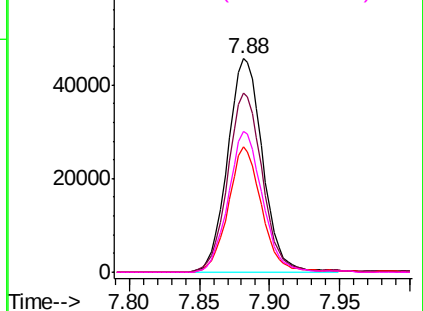
#46
1,1,2-Trichloroethane
Concen: 26.263 ug/L
RT: 7.88 min Scan# 2112
Delta R.T. -0.00 min
Lab File: VV010065.D
Acq: 02 Apr 2019 17:50

Instrument :
MSVOA_V
ClientSampleId :
VSTD02576

Tgt Ion: 97 Resp: 79074
Ion Ratio Lower Upper
97 100
83 84.0 58.5 108.7
85 59.0 37.2 69.2
99 66.2 43.3 80.3

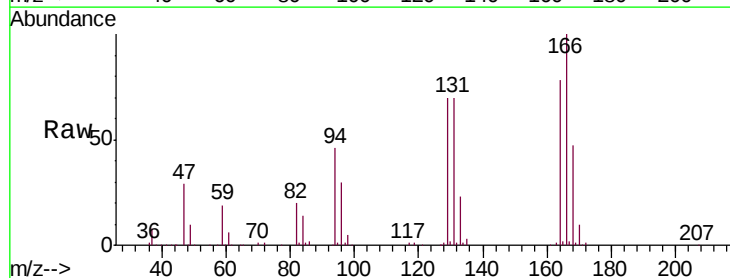


Abundance Ion 97.00 (96.70 to 97.70): VV0
Ion 83.00 (82.70 to 83.70): VV0
Ion 85.00 (84.70 to 85.70): VV0
Ion 99.00 (98.70 to 99.70): VV0

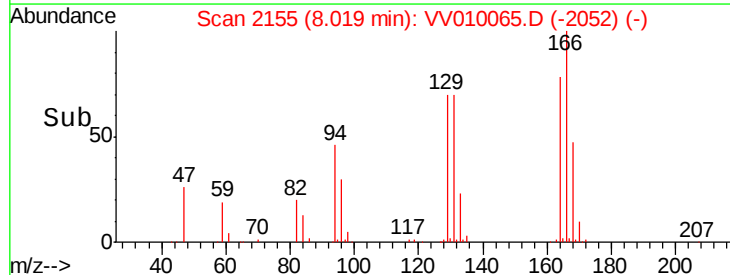
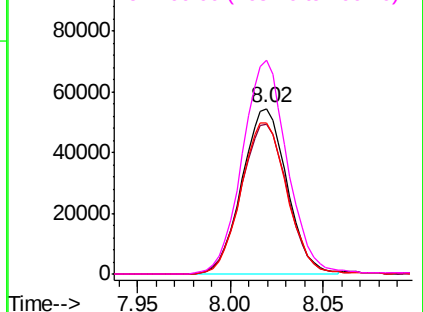


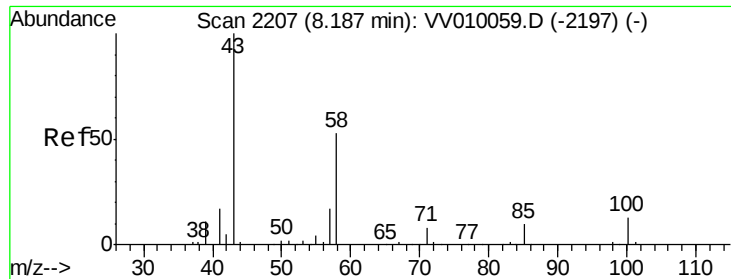
#47
Tetrachloroethene
Concen: 28.504 ug/L
RT: 8.02 min Scan# 2155
Delta R.T. -0.00 min
Lab File: VV010065.D
Acq: 02 Apr 2019 17:50

Tgt Ion: 164 Resp: 92289
Ion Ratio Lower Upper
164 100
129 90.7 67.8 125.8
131 90.9 65.2 121.0
166 128.9 93.8 174.2



Abundance Ion 164.00 (163.70 to 164.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V
Ion 166.00 (165.70 to 166.70): V

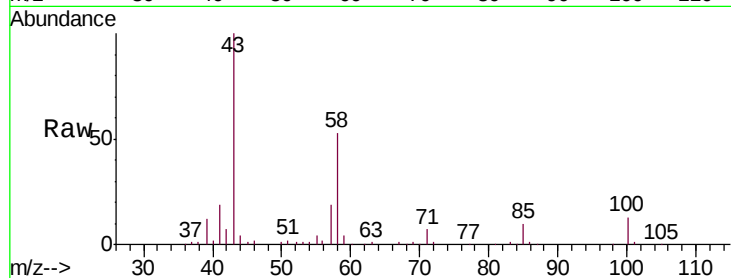




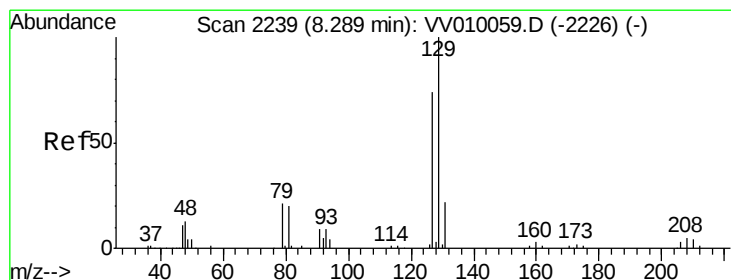
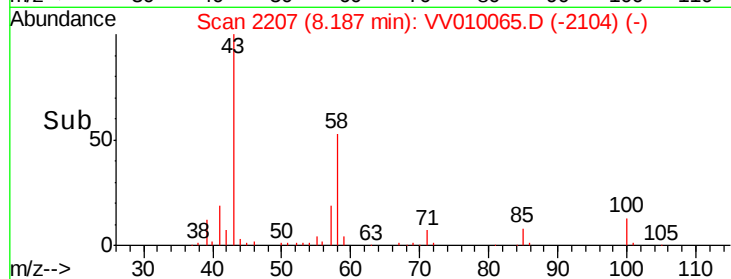
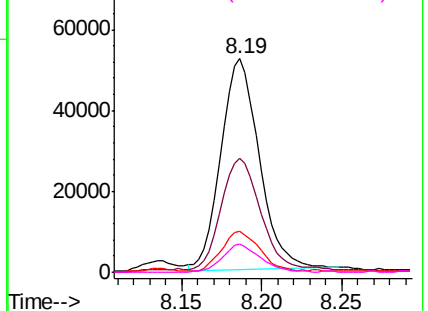
#49
2-Hexanone
Concen: 47.693 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. -0.00 min
Lab File: VV010065.D
Acq: 02 Apr 2019 17:50

Instrument :
MSVOA_V
ClientSampleId :
VSTD02576

Tgt Ion: 43 Resp: 85582
Ion Ratio Lower Upper
43 100
58 55.8 44.3 66.5
57 19.7 13.8 20.8
100 13.0 10.6 15.8

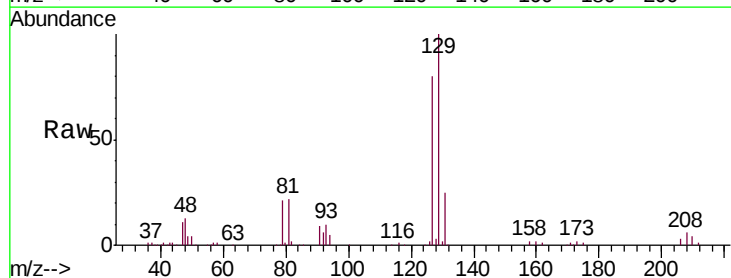


Abundance Ion 43.00 (42.70 to 43.70): VV010065.D (-2104) (-)
Ion 58.00 (57.70 to 58.70): VV010065.D (-2104) (-)
Ion 57.00 (56.70 to 57.70): VV010065.D (-2104) (-)
Ion 100.00 (99.70 to 100.70): VV010065.D (-2104) (-)

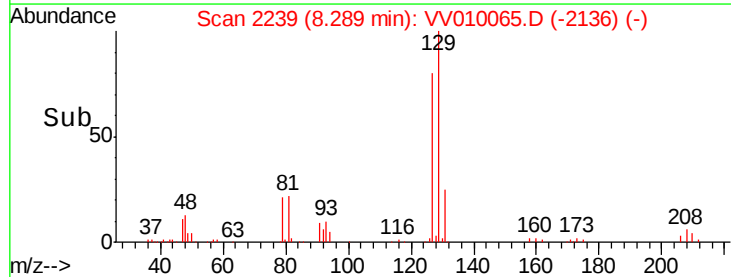
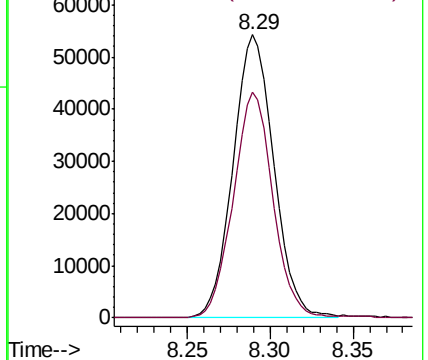


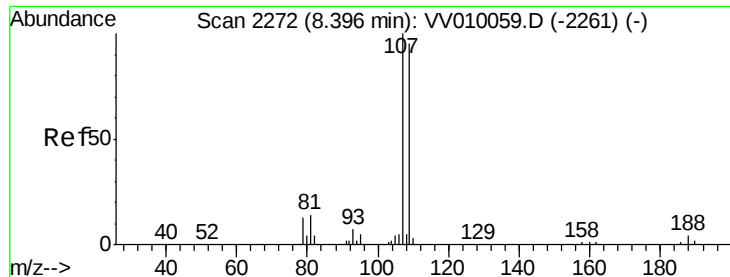
#50
Dibromochloromethane
Concen: 27.507 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VV010065.D
Acq: 02 Apr 2019 17:50

Tgt Ion: 129 Resp: 92840
Ion Ratio Lower Upper
129 100
127 79.7 52.1 96.7



Abundance Ion 129.00 (128.70 to 129.70): VV010065.D (-2136) (-)
Ion 127.00 (126.70 to 127.70): VV010065.D (-2136) (-)





#51

1,2-Dibromoethane

Concen: 26.497 ug/L

RT: 8.40 min Scan# 2272

Delta R.T. -0.00 min

Lab File: VV010065.D

Acq: 02 Apr 2019 17:50

Instrument :

MSVOA_V

ClientSampleId :

VSTD02576

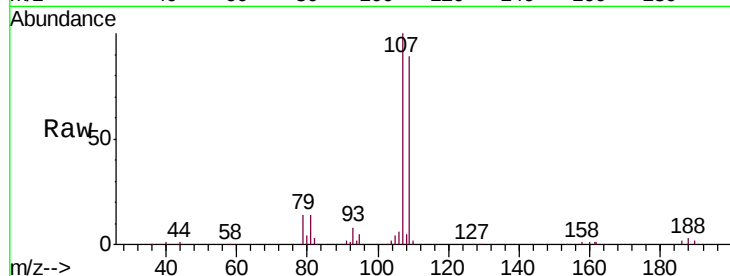
Tgt Ion:107 Resp: 78843

Ion Ratio Lower Upper

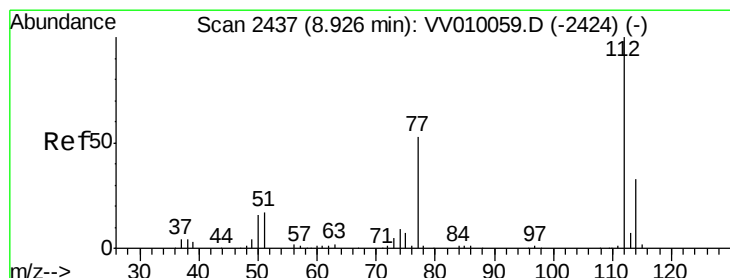
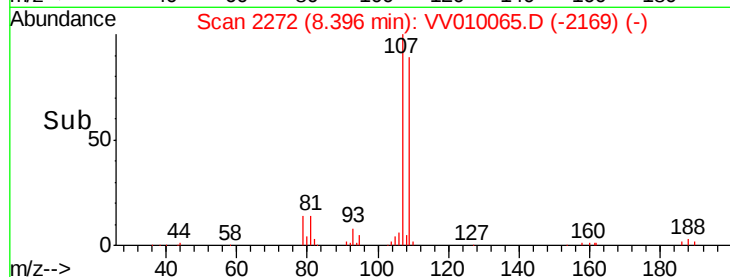
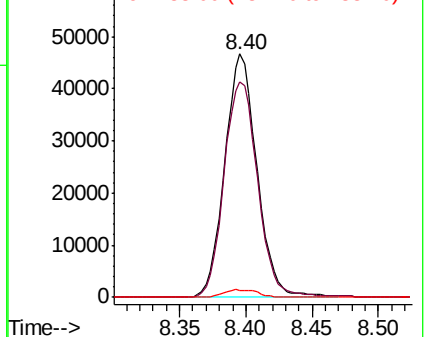
107 100

109 88.6 66.5 123.5

188 3.0 3.3 4.9#



Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V



#52

Chlorobenzene

Concen: 27.902 ug/L

RT: 8.93 min Scan# 2437

Delta R.T. -0.00 min

Lab File: VV010065.D

Acq: 02 Apr 2019 17:50

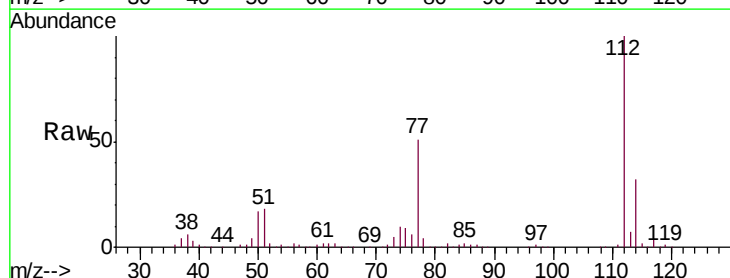
Tgt Ion:112 Resp: 287053

Ion Ratio Lower Upper

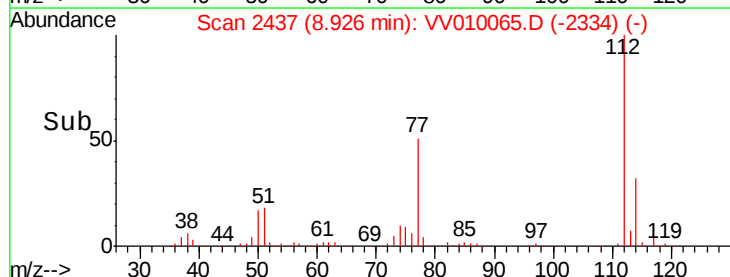
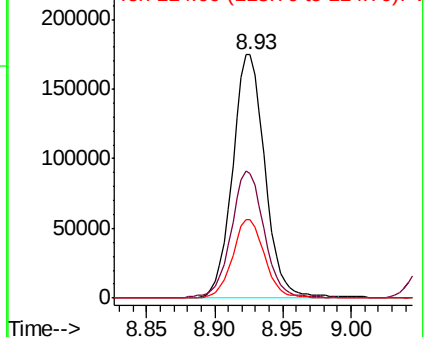
112 100

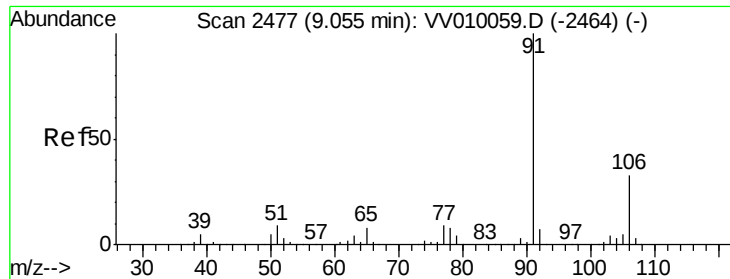
77 51.4 42.9 64.3

114 32.3 23.4 43.4



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 77.00 (76.70 to 77.70): V
Ion 114.00 (113.70 to 114.70): V

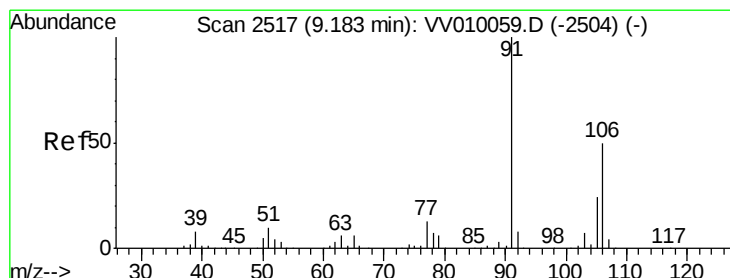
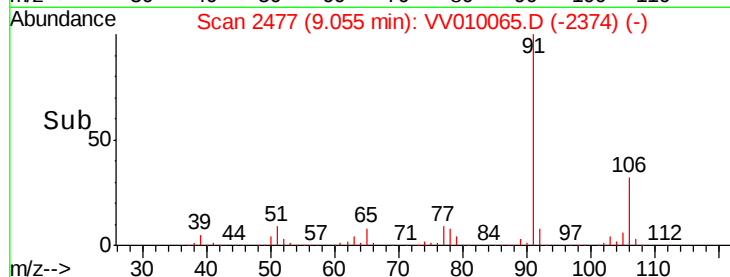
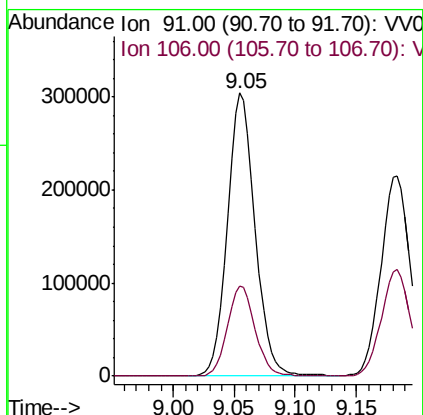
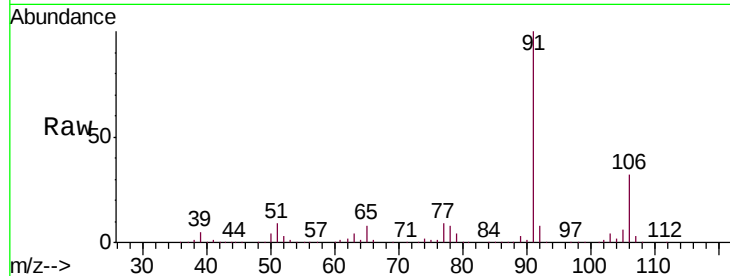




#53
Ethylbenzene
Concen: 29.194 ug/L
RT: 9.05 min Scan# 2477
Delta R.T. -0.00 min
Lab File: VV010065.D
Acq: 02 Apr 2019 17:50

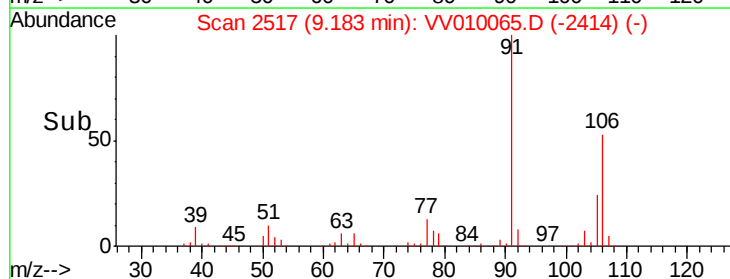
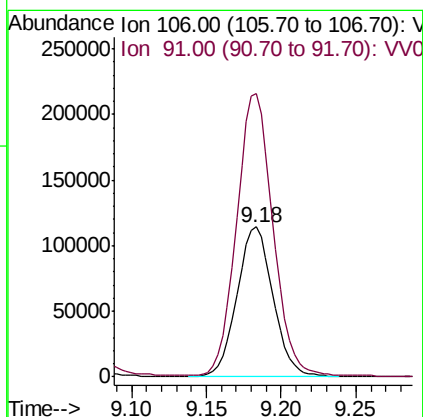
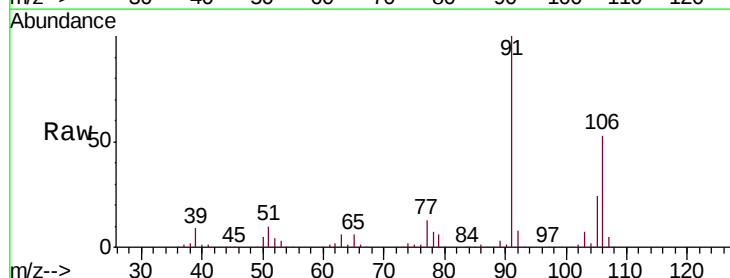
Instrument :
MSVOA_V
ClientSampleId :
VSTD02576

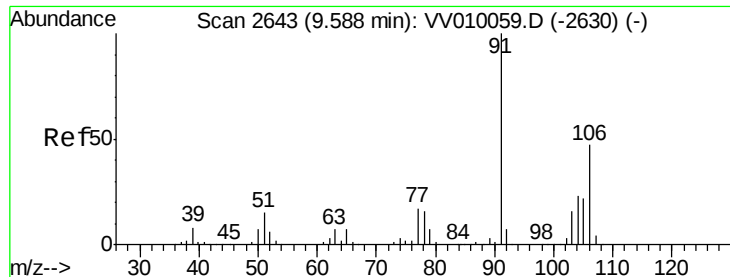
Tgt Ion: 91 Resp: 482843
Ion Ratio Lower Upper
91 100
106 31.9 23.1 42.9



#54
m,p-Xylene
Concen: 29.801 ug/L
RT: 9.18 min Scan# 2517
Delta R.T. -0.00 min
Lab File: VV010065.D
Acq: 02 Apr 2019 17:50

Tgt Ion: 106 Resp: 191835
Ion Ratio Lower Upper
106 100
91 188.6 139.3 258.7





#55

o-xylene

Concen: 28.823 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. -0.00 min

Lab File: VV010065.D

Acq: 02 Apr 2019 17:50

Instrument :

MSVOA_V

ClientSampleId :

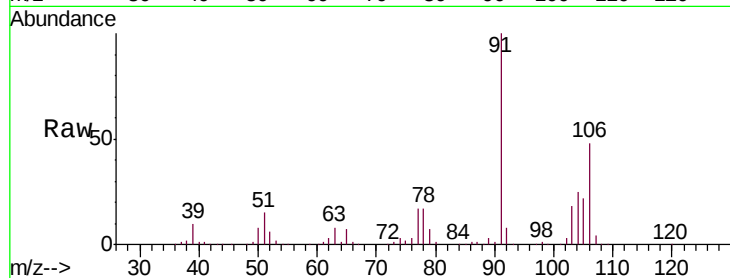
VSTD02576

Tgt Ion:106 Resp: 179755

Ion Ratio Lower Upper

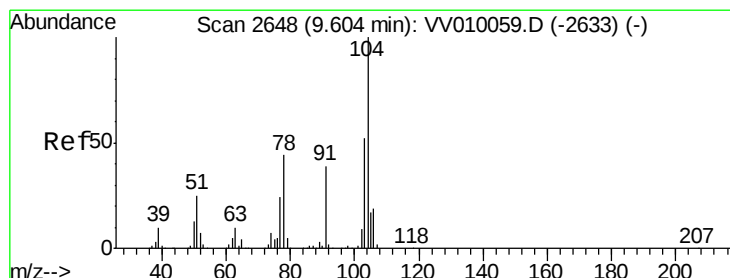
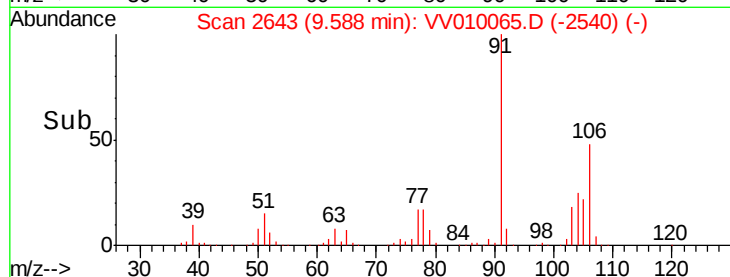
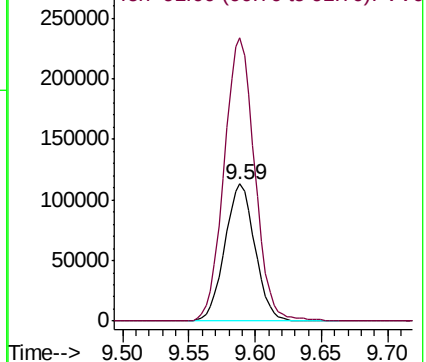
106 100

91 206.7 150.4 279.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#56

Styrene

Concen: 29.405 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. -0.00 min

Lab File: VV010065.D

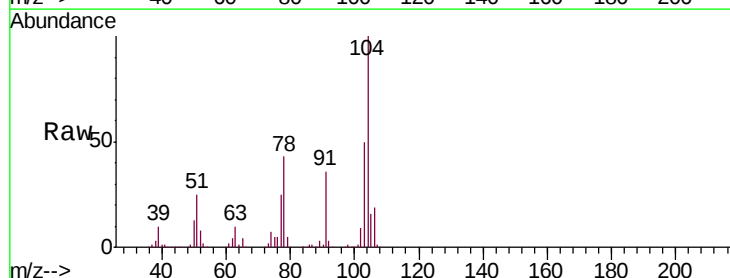
Acq: 02 Apr 2019 17:50

Tgt Ion:104 Resp: 303353

Ion Ratio Lower Upper

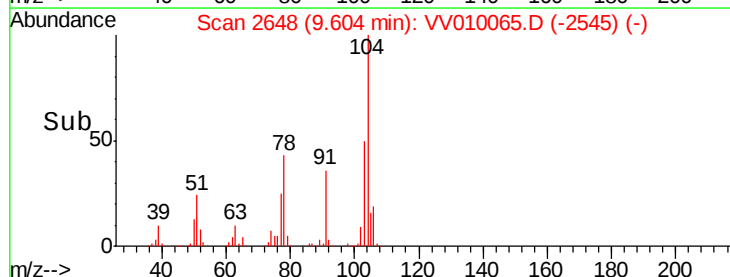
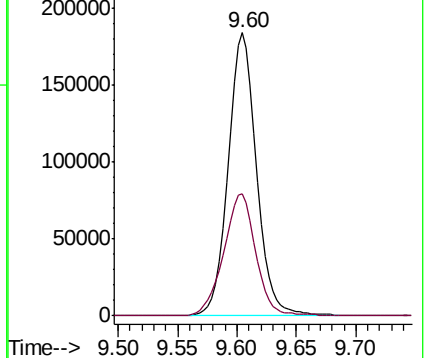
104 100

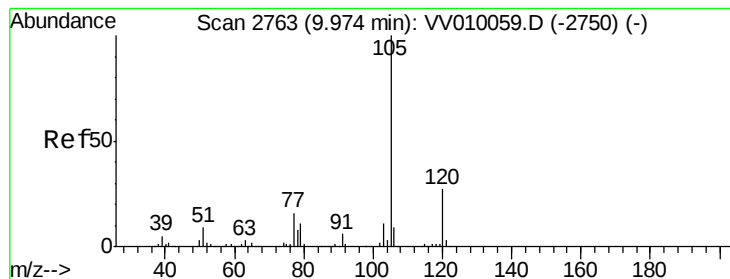
78 43.3 30.5 56.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#57

Isopropylbenzene

Concen: 30.046 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. -0.00 min

Lab File: VV010065.D

Acq: 02 Apr 2019 17:50

Instrument :

MSVOA_V

ClientSampleId :

VSTD02576

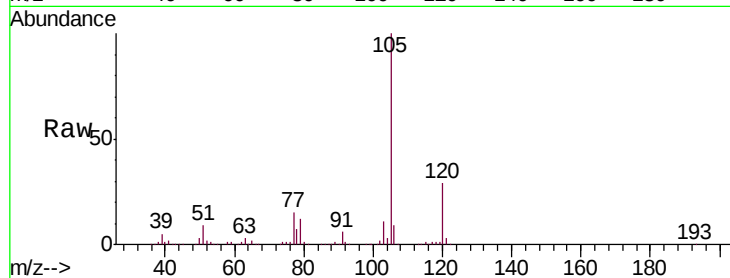
Tgt Ion: 105 Resp: 494171

Ion Ratio Lower Upper

105 100

120 27.5 21.5 32.3

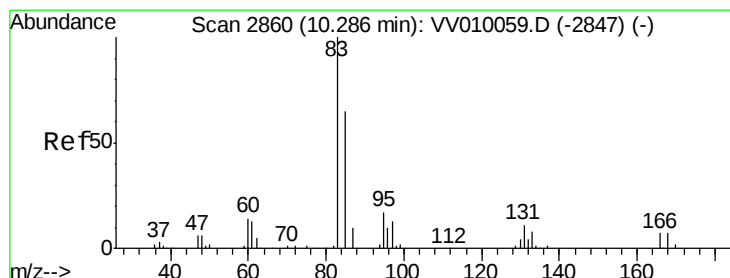
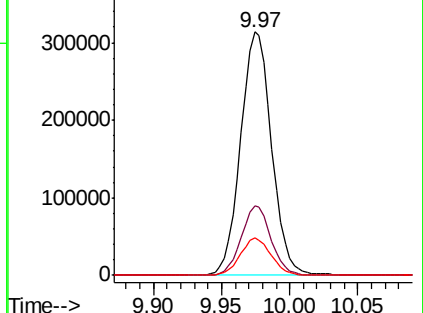
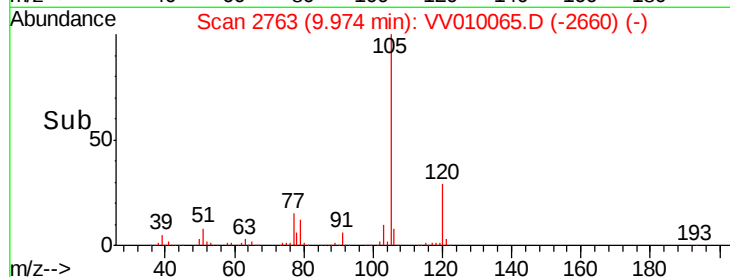
77 15.2 12.4 18.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 25.312 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. -0.00 min

Lab File: VV010065.D

Acq: 02 Apr 2019 17:50

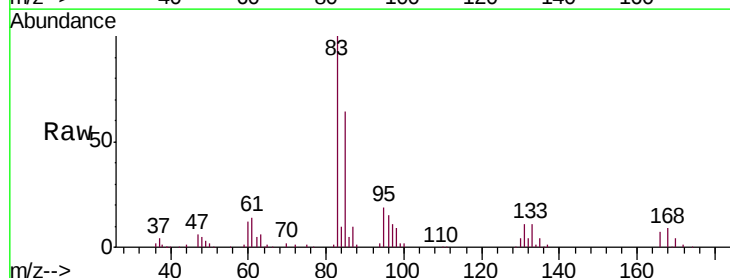
Tgt Ion: 83 Resp: 97883

Ion Ratio Lower Upper

83 100

85 64.0 46.1 85.7

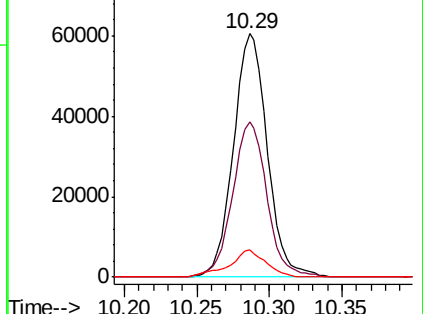
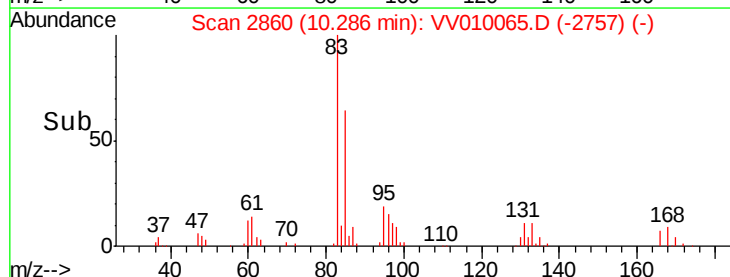
131 11.1 9.0 13.4

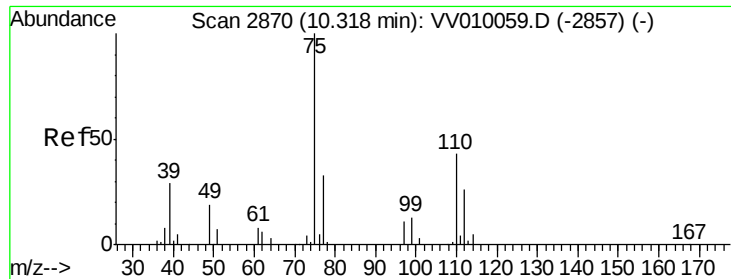


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 24.981 ug/L

RT: 10.32 min Scan# 2870

Delta R.T. -0.00 min

Lab File: VV010065.D

Acq: 02 Apr 2019 17:50

Instrument :

MSVOA_V

ClientSampleId :

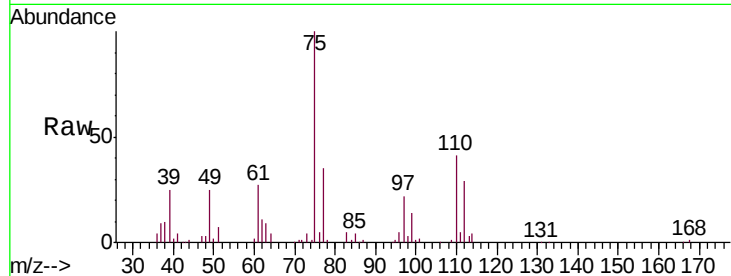
VSTD02576

Tgt Ion: 75 Resp: 69271

Ion Ratio Lower Upper

75 100

77 33.6 25.8 38.8

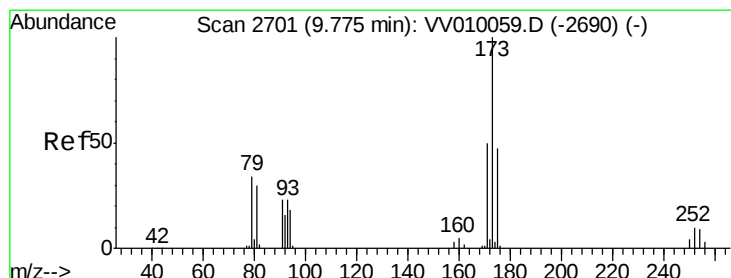
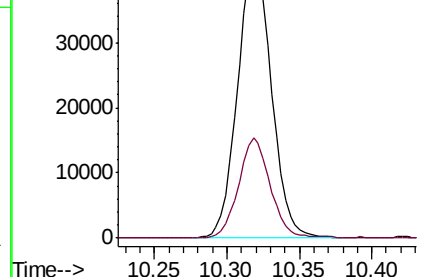
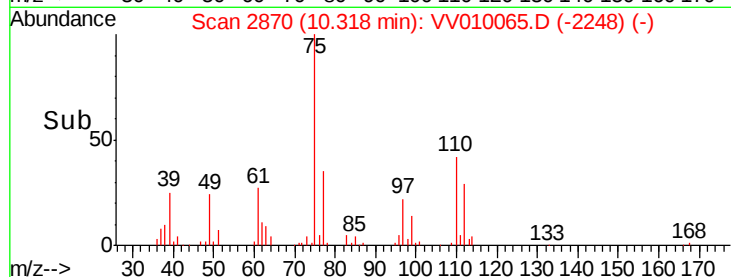


Abundance Ion 75.00 (74.70 to 75.70): VV010059.D (-2857) (-)

Ion 77.00 (76.70 to 77.70): VV010059.D (-2857) (-)

10.32

Time-->



#62

Bromoform

Concen: 25.717 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. -0.00 min

Lab File: VV010065.D

Acq: 02 Apr 2019 17:50

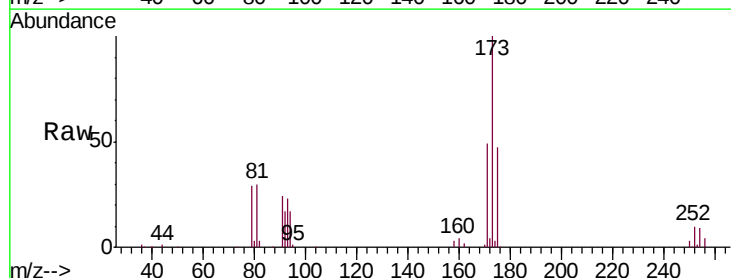
Tgt Ion: 173 Resp: 50822

Ion Ratio Lower Upper

173 100

175 46.4 38.7 58.1

254 9.4 6.7 10.1



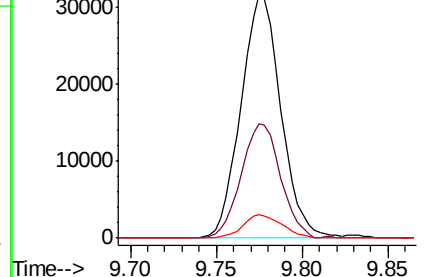
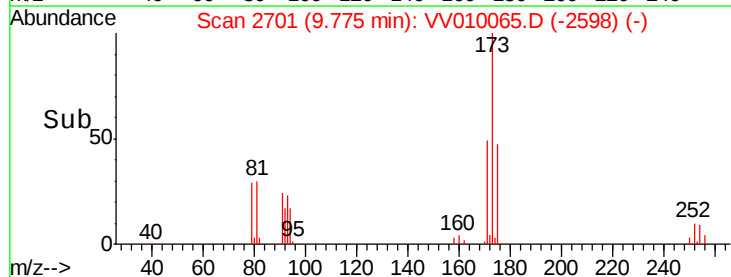
Abundance Ion 173.00 (172.70 to 173.70): VV010059.D (-2690) (-)

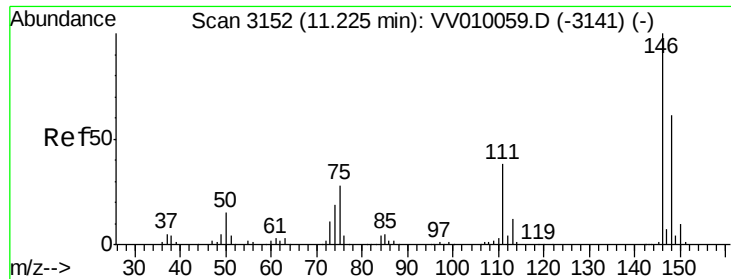
Ion 175.00 (174.70 to 175.70): VV010059.D (-2690) (-)

Ion 254.00 (253.70 to 254.70): VV010059.D (-2690) (-)

9.77

Time-->

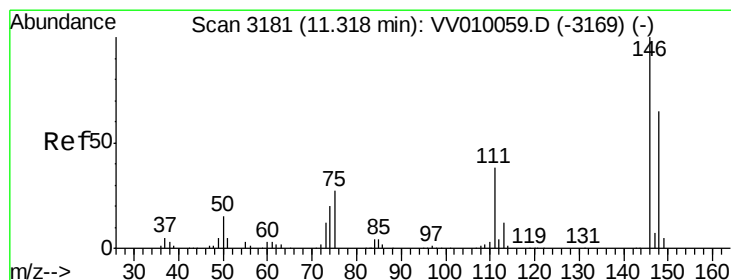
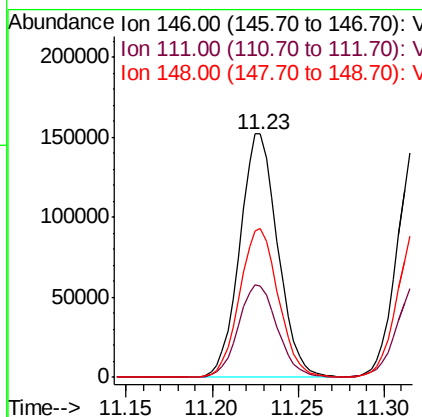
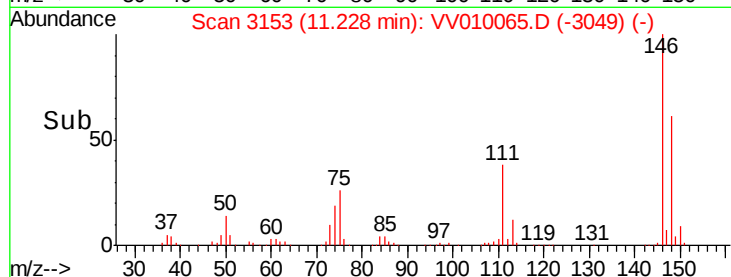
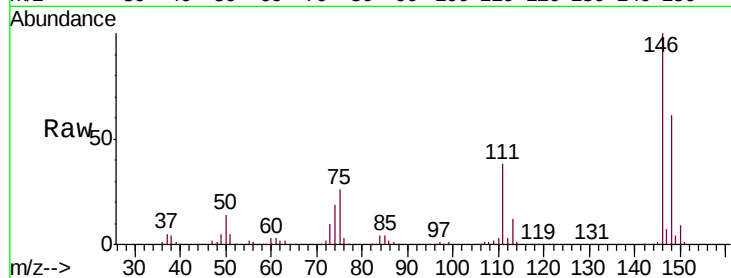




#63
 1,3-Dichlorobenzene
 Concen: 28.362 ug/L
 RT: 11.23 min Scan# 3153
 Delta R.T. 0.00 min
 Lab File: VV010065.D
 Acq: 02 Apr 2019 17:50

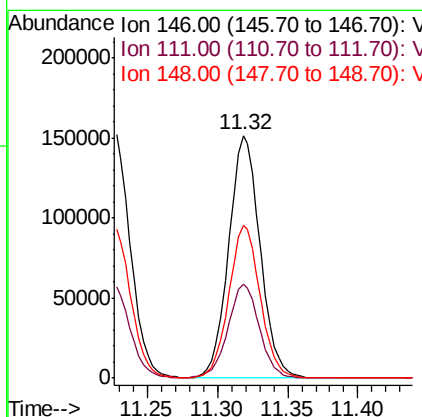
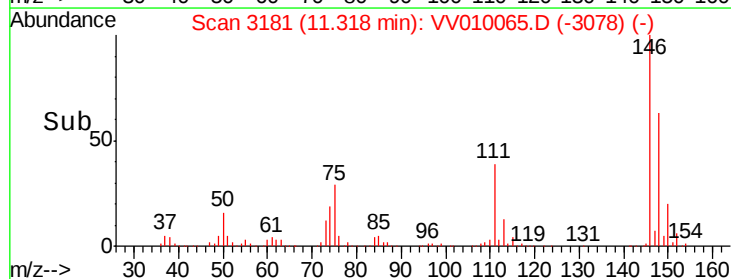
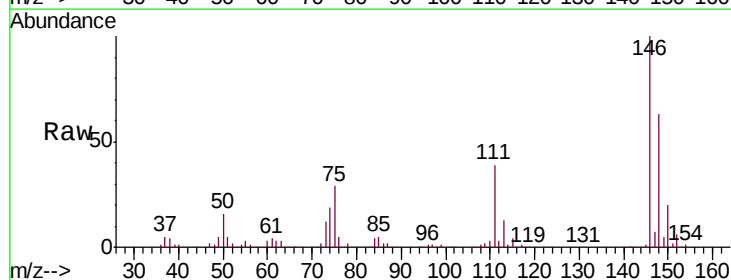
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02576

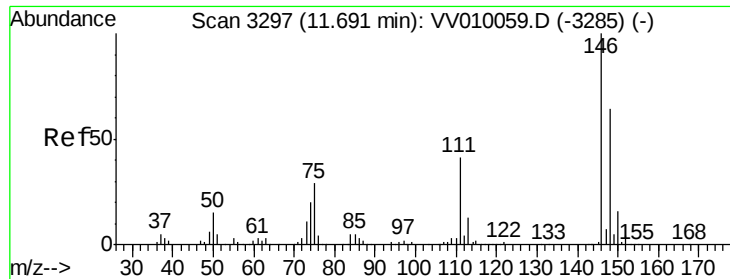
Tgt Ion:146 Resp: 233908
 Ion Ratio Lower Upper
 146 100
 111 37.6 26.8 49.8
 148 60.9 42.7 79.3



#64
 1,4-Dichlorobenzene
 Concen: 27.500 ug/L
 RT: 11.32 min Scan# 3181
 Delta R.T. -0.00 min
 Lab File: VV010065.D
 Acq: 02 Apr 2019 17:50

Tgt Ion:146 Resp: 236251
 Ion Ratio Lower Upper
 146 100
 111 38.6 26.9 50.1
 148 62.9 45.6 84.6

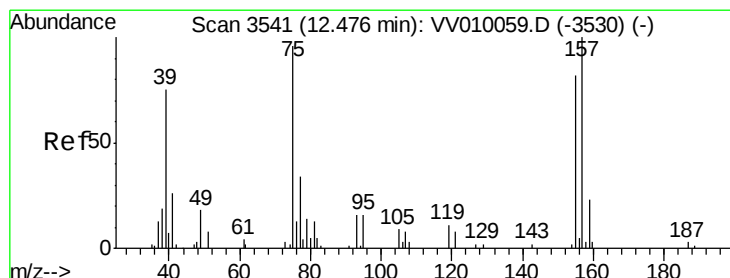
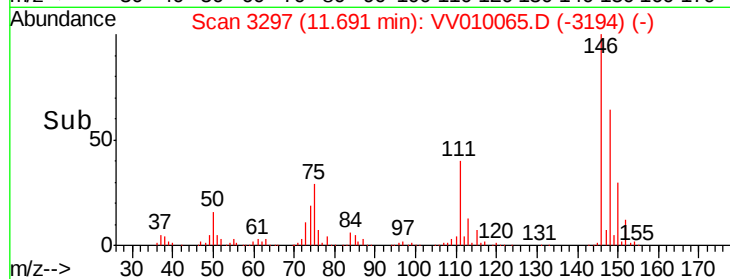
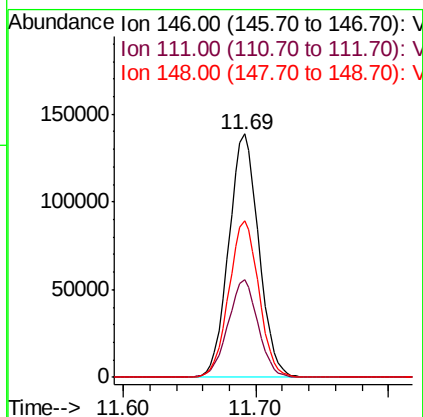
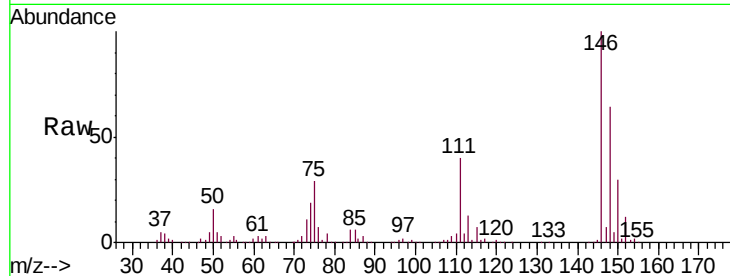




#65
 1,2-Dichlorobenzene
 Concen: 26.860 ug/L
 RT: 11.69 min Scan# 3297
 Delta R.T. -0.00 min
 Lab File: VV010065.D
 Acq: 02 Apr 2019 17:50

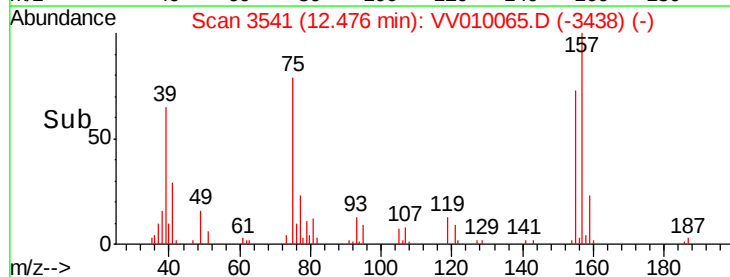
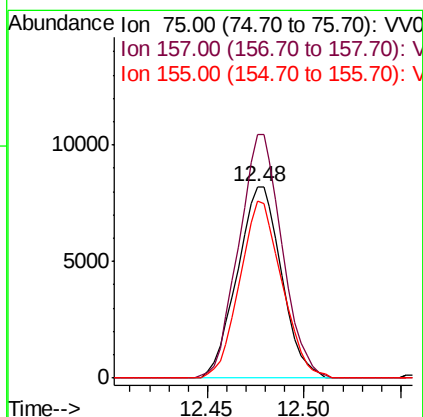
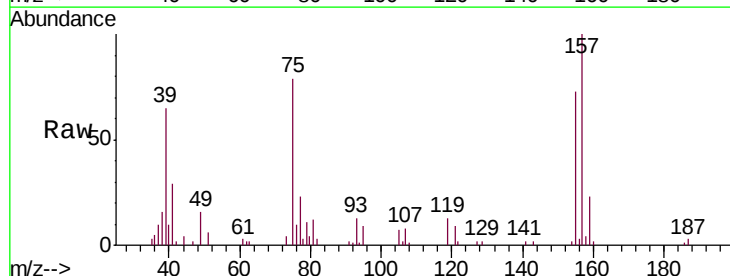
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD02576

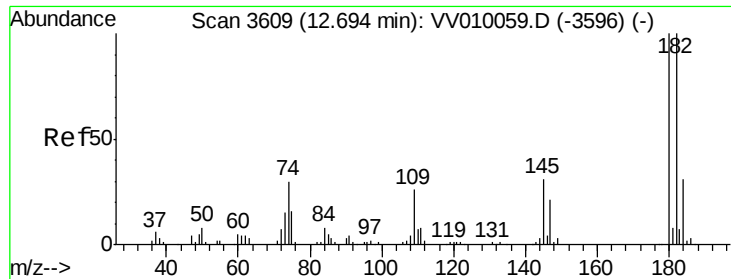
Tgt Ion:146 Resp: 217613
 Ion Ratio Lower Upper
 146 100
 111 40.0 33.2 49.8
 148 64.1 51.4 77.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 23.712 ug/L
 RT: 12.48 min Scan# 3541
 Delta R.T. -0.00 min
 Lab File: VV010065.D
 Acq: 02 Apr 2019 17:50

Tgt Ion: 75 Resp: 13026
 Ion Ratio Lower Upper
 75 100
 157 127.0 83.0 124.6#
 155 92.2 68.1 102.1

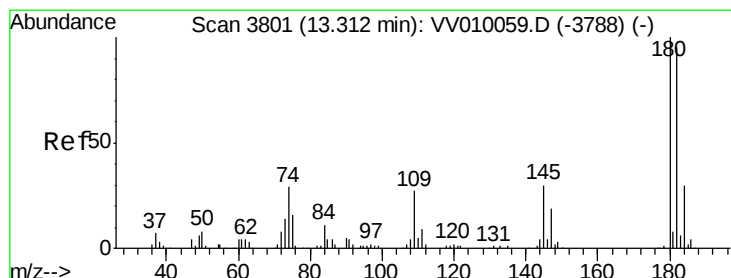
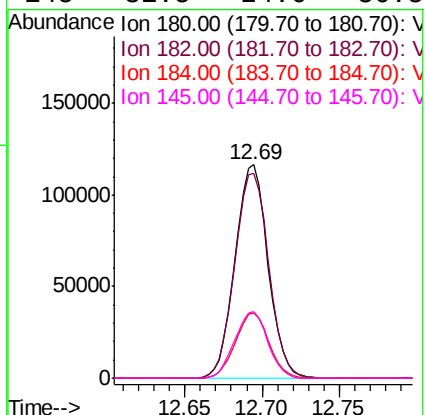
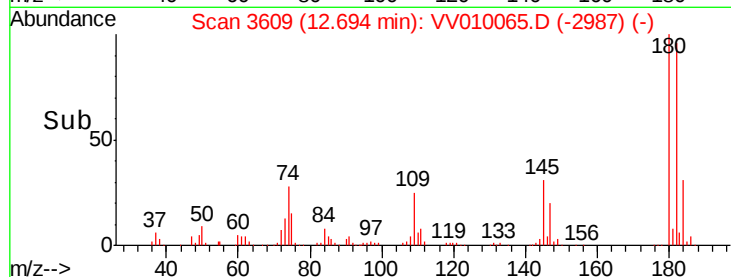
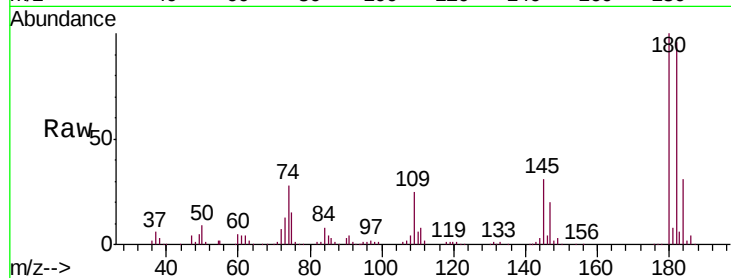




#67
 1,3,5-Trichlorobenzene
 Concen: 28.177 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. -0.00 min
 Lab File: VV010065.D
 Acq: 02 Apr 2019 17:50

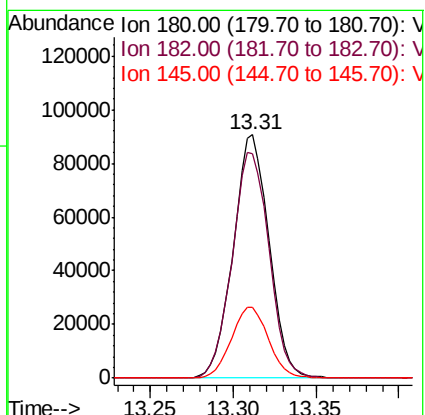
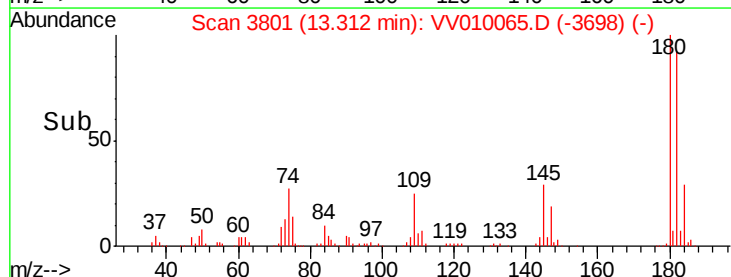
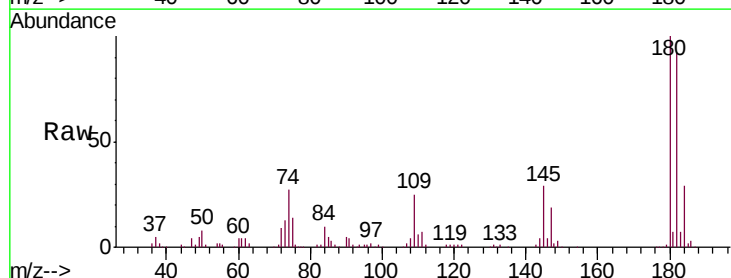
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02576

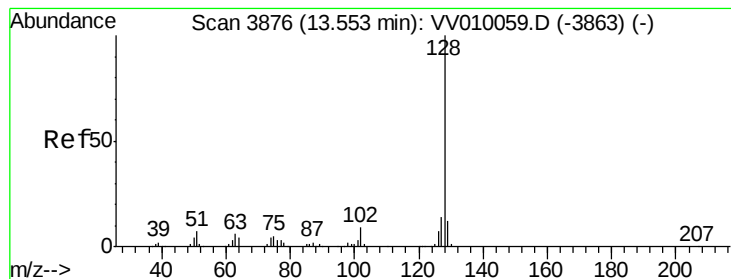
Tgt Ion	Ratio	Lower	Upper
180	100		
182	99.0	77.2	115.8
184	31.0	23.8	35.6
145	31.5	24.6	36.8



#68
 1,2,4-trichlorobenzene
 Concen: 29.174 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. -0.00 min
 Lab File: VV010065.D
 Acq: 02 Apr 2019 17:50

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	75.7	113.5
145	30.2	24.6	37.0





#69

Naphthalene

Concen: 27.155 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. -0.00 min

Lab File: VV010065.D

Acq: 02 Apr 2019 17:50

Instrument :

MSVOA_V

ClientSampleId :

VSTD02576

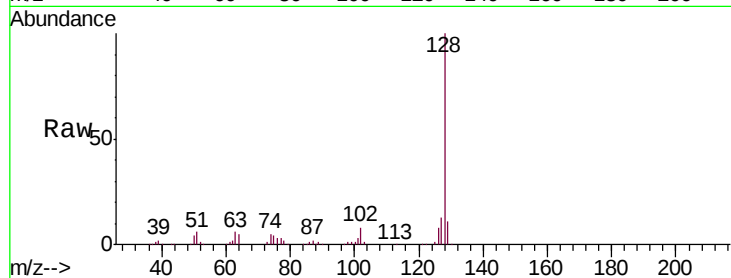
Tgt Ion:128 Resp: 211883

Ion Ratio Lower Upper

128 100

129 10.7 9.0 13.4

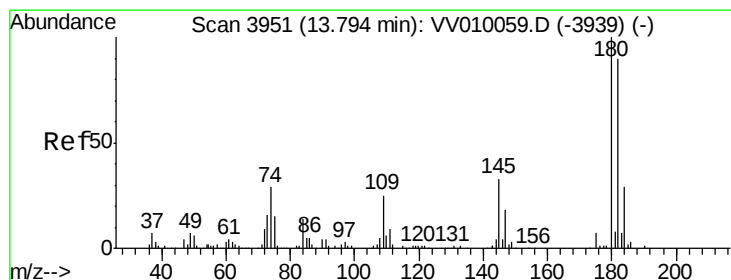
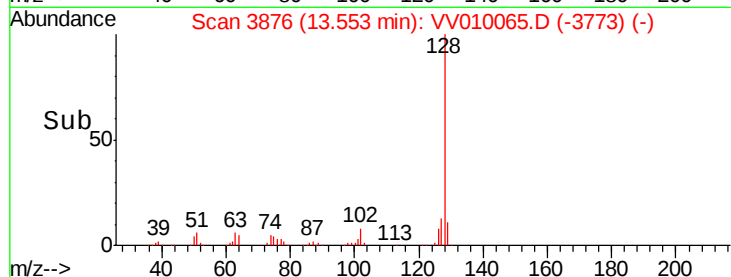
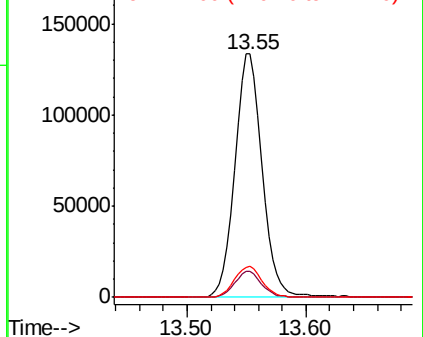
127 12.9 11.0 16.4



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 28.102 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. -0.00 min

Lab File: VV010065.D

Acq: 02 Apr 2019 17:50

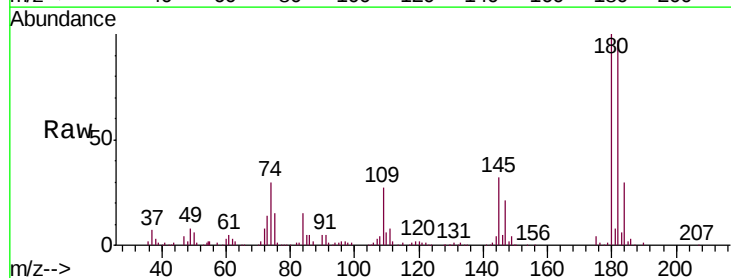
Tgt Ion:180 Resp: 123044

Ion Ratio Lower Upper

180 100

182 95.8 74.1 111.1

145 33.3 25.8 38.8



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

